

# Applied Optics

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## CUMULATIVE INDEX

VOLS. 13-18 1974-1979





# **optics index**

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**1974-1979**

The indexed material covers subject and author entries  
of three Optical Society of America publications.

Journal of the Optical Society of America  
Vols. 64-69 (1974-1979)

Applied Optics  
Vols. 13-18 (1974-1979)

Optics Letters  
Vols. 1-4 (1977-1979)



# Preface

In 1974 the Optical Society of America began production of the annual indices for its journals from information stored on magnetic tape during the production of each issue of the journals. The purpose of the program was not only to produce an annual index for the journals but to be able to produce a merged cumulative index to all of the journals of the Society. This cumulative index is our first effort.

The indexed material includes subject and author entries for Volume 64 through 69 (1974–1979) of the *Journal of the Optical Society of America*, Volume 13 through 18 (1974–1979) of *Applied Optics* and Volume 1 through 4 (1977–1979) of *Optics Letters*.

Subjects are indexed by keyword in contrast to a hierarchical system that is typically used in indexing schemes which cover a broader area of science and technology. A familiar example of a hierarchical system is PACS (Physics and Astronomy Classification Scheme) used by the American Institute of Physics for its journals and those of several of its member societies. In a key-word system all entries have equal weight. Those unfamiliar with the general subject may find more difficulty in finding entry to a key word system than to a hierarchical system in which there may be only ten to five entries to consider at each level. On the other hand, a key word system may be searched far more rapidly by an individual conversant with the research terms currently in use. The user should remember that there is a style connected with key words: lasers not masers; integrated optics not guided waves. The style changes with time and the indexer leads the users to old styles through the use of See and See also entries which follow many of the major headings. Keep these entries in mind when using the index.

Those responsible for the publication of the index believed that the experience garnered in six years of computerized annual indices would ease many of the problems associated with the cumulative index, and so it did. However, it must be said again that multiple versions of an individual's name cause confusion in the author index and many of these difficulties do not appear in the annual index. In the ideal world, all subjects entries appear under each author's name in the subject index. In the real world, where real may be taken to mean without human intervention, any variation in proper name results in a separate

entry. Thus, if Isaac K. Newton used this version of his name for some papers, I. K. Newton and Isaac Newton for others, there would be three author entries. Attempts have been made to eliminate these discrepancies, but readers are cautioned that some may remain.

To aid in identification of the material key letters are given in many cases:

- (T) emphasis on theory
- (E) emphasis on experiment
- (A) abstract
- (B) book review
- (L) letter, rapid communication
- (M) meeting report
- (N) announcement, editorial, or note  
in one of the departments
- (P) patent

The author index has the title given under the first-named author only; volume and page are given under other authors. Under a given author all entries are alphabetized by the first word of title, irrespective of whether there are additional authors. It might be appropriate to note here that usage varies as to which word in a subject comes first, e.g., Spectroscopy, atomic, but Spatial filters.

This publication will appear with four different covers: one for each of the three OSA journals and a fourth cover with the title, OPTICS INDEX. All nonmember subscribers to the Society's 1980 journals are receiving a copy of the index to shelve with their backholdings; these copies carry the cover of the appropriate journal. Individual purchasers of the index receive the version with the OPTICS INDEX title.

Three people can be closely identified with the success of this publication: Les Varley of Mack Printing who had the forethought necessary to develop computer programming and documentation that has survived the past six years; Franklin S. Harris, Jr., who had the patience and competence to review and index each and every published article, letter, abstract, and column; Patricia R. Wakeling who had the enthusiasm and vision to propose the most useful possible index for the optics community and see the project through to completion. The index is ample testimony to their efforts.

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# SUBJECT INDEX

## Aberrations

- Aberration-balancing criteria for optimization of the optical transfer function (A), JOSA 66: 1122
- Aberration balancing for grating mountings with large aberrations (T), JOSA 68: 38
- Aberration balancing in rotationally symmetric lenses (T), JOSA 64: 1083
- Aberration correction for a tilted plate in a converging light cone (A), JOSA 66: 1121
- Aberration expansion and evaluation of the quasi-Gaussian beam by a set of orthogonal functions (T), JOSA 64: 850
- Aberration generator (E), AO 14: 2476
- Aberration reduced mechanically ruled grating for simple rotational mounting (T), JOSA 69: 1538
- Aberrations in curved graded-index fibers (T), JOSA 69: 300
- Aberrations of a sequence of conic mirrors (T), AO 15: 2283
- Aberrations of curved zone plates and Fresnel lenses (T), AO 16: 1701
- Aberrations of diffracted wave fields (A), JOSA 65: 1167
- Aberrations of diffracted wave fields (TE), AO 17: 3003
- Aberrations of ellipsoidal reflectors for unit magnification (T), AO 13: 2931
- Aberrations of the Symmetrical Optical System. By W. T. Welford (B), Reviewed by Rank, David H., AO 14: 2308
- Aberrations of the Symmetrical Optical System. By W. T. Welford (B), Reviewed by Lit, John W. Y., JOSA 65: 973
- Aberration tolerances for visual optical systems, JOSA 67: 634
- Achromatic combinations of hologram optical elements (T), AO 15: 542
- Achromatic focusing device (ET), JOSA 65: 1283
- Analysis of wave-front aberrations caused by deformation of hologram media (T), JOSA 64: 677
- Analytic merit function based on Buchdahl's aberration coefficients (T), JOSA 66: 1037
- Anastigmatic catadioptric telescopes (T), JOSA 65: 261
- Anastigmatic two-mirror telescopes: some new types (T), AO 16: 1178
- Aplanatic grazing incidence x-ray microscopes: design and performance (T), AO 15: 3094
- Application of phase retrieval techniques to adaptive imaging systems. II (A), JOSA 68: 1386
- Astigmatism, accommodation, and visual instrumentation (E), AO 17: 3903
- Axial chromatic aberration of eye with achromatizing lens (E), JOSA 64: 1724
- Canonical properties of optical-design modules (T), JOSA 65: 509
- Catadioptric system with a gradient-index corrector plate (T), JOSA 67: 1143
- Caustic surface and the Coddington equations (T) (L), JOSA 66: 76
- Coma of the eye (A), JOSA 64: 1372
- Comparison of Cassegrain correctors (A), JOSA 68: 1373
- Control of fifth-order aberrations in modular optical design (T), JOSA 69: 321
- Convenient expression for aspheric departure of conics (A), JOSA 68: 1452
- Correcting inherent aberrations in the grating rhomb beam sampler (T), AO 18: 4178
- Cylindrical and spherical gratings (T), JOSA 64: 654
- Deformation of a large optic caused by localized sudden thermal input (A), JOSA 69: 1458
- Degrees of freedom of an optical image in coherent illumination, in the presence of aberrations (T), JOSA 65: 495
- Depth of convergence of a sharpness index autofocus system (TE), AO 16: 2273
- Description of multilayer dielectric reflectors, JOSA 69: 993
- Design of gradient-index singlets (T), JOSA 64: 846
- Determination of the optimal reference sphere (T) (L), JOSA 69: 1045
- Distortion calculation of a curved focal surface (A), JOSA 64: 1359
- Dynamic Hartmann test (ET), AO 14: 2391
- Dynamic Hartmann test: comments (E) (L), AO 15: 599
- Effect of blur and overlap on brightness matching (ET), JOSA 64: 717
- Effect of spherical aberration on the imaging properties of scanning optical microscopes (TE), AO 18: 1058
- Effect of temperature gradients on the wave aberration in athermal optical glasses (ET), AO 14: 716
- Effects of small rotationally symmetrical aberrations on the irradiance spread function of a system with Gaussian apodization over the pupil (T) (L), JOSA 65: 1520
- Ellipsoidal illumination system optimization for laser fusion experiments (T), AO 14: 1274
- Evaluation of deformation tolerance of the hologram medium (T), JOSA 64: 928
- Evaluation of large aberrations using a lateral-shear interferometer having variable shear (ET), AO 14: 142
- Far-field diffraction patterns for Gaussian beams in the presence of small spherical aberrations (T) (L), JOSA 65: 853
- Foci of tandem Wadsworth spectrographs (T), JOSA 69: 165
- General analysis of aplanatic Cassegrain, Gregorian, and Schwarzschild telescopes (errata), AO 13: 242
- General theory of the aberrations of diffraction gratings and gratinglike optical instruments (T), JOSA 66: 346
- General theory of the aberrations of diffraction gratings and gratinglike optical instruments (T) (errata), JOSA 67: 1695
- Geometric optical theory of diffraction gratings (T), JOSA 69: 1530
- Geometric theory of the grating (T), JOSA 64: 1031
- Geometry of the half-symmetric image (T), JOSA 68: 739
- Holographically generated lens (TE), AO 13: 2924
- Holographic concave gratings for Seya-Namioka monochromators (T), JOSA 64: 1043
- Holographic correction of both chromatic and spherical aberrations of single glass lenses (ET), AO 18: 2385
- Holographic scan aberration correction: a clarification (TE) (L), AO 16: 2361
- Imaging properties of holographic gratings (T), JOSA 67: 1021
- Impasses in applied optics (R), JOSA 64: 123
- Intensity mapping optical aberrations (T), AO 17: 1527
- Interference problems in a coherent aberration sensor (E), AO 18: 2891
- Interferometric testing with computer-generated holograms: aberration balancing method and error analysis (TE), AO 17: 558
- Laser beam steerer-expander (T), AO 17: 3584
- Lens system for modifying spherical aberration (P), AO 17: 1474
- Macular pigment and chromatic aberration (T), JOSA 64: 231
- Mangin mirror and its primary aberrations (T), AO 13: 1690
- Marechal intensity criteria modified for circular apertures with nonuniform intensity transmission: Dini series approach (T), OL 2: 124
- Marechal intensity criteria modified for Gaussian beams (T), AO 13: 2126
- Marechal intensity criteria modified for Gaussian beams (T) (errata), AO 13: 2774
- Maximum *A Posteriori* estimation of wave-front aberrations (A), JOSA 69: 1468
- Measurement of spherical aberrations using a solid-state image sensor (E), AO 18: 3866
- Measurement of the longitudinal spherical aberration of soft contact lenses (A), JOSA 68: 1375
- Measurement of the longitudinal spherical aberration of soft contact lenses (E), OL 4: 224
- Method for demonstrating the primary (Seidel) aberrations (P), AO 18: 3891
- Multimodule optical systems (T), JOSA 65: 1133
- New stigmatic, coma-free, concave-grating spectrograph (T), JOSA 65: 13
- Off-center aberrations in nonaligned systems (T), JOSA 68: 1250
- Optical interpretation of the merit function in Grey's lens design program (T), AO 13: 671
- Orthogonal polynomials as lens aberration coefficients (A), JOSA 69: 1428
- Performance of optimum apodizers in presence of small aberrations (A), JOSA 65: 1225
- Peripheral astigmatism in the human eye: experimental data and theoretical model predictions (ET), JOSA 64: 510
- Primary aberration contributions for curved Fresnel surfaces (T), JOSA 68: 1306
- Primary aberrations for grazing incidence (T), AO 16: 2464
- Primary aberrations of Fresnel lenses (T), JOSA 64: 459
- Primary aberrations of meniscus Fresnel lenses (T), JOSA 66: 1317
- Properties of caustics from conic reflectors. 1: Meridional rays (T), AO 16: 1705
- Proximate ray tracing and optical aberration coefficients (T), JOSA 66: 405
- Proximate ray tracing and wave aberration coefficients (T), JOSA 66: 942
- Real-time aberration generator-compensator (A), JOSA 67: 1365
- Reflective Schmidt anastigmat telescopes and pseudo-flat made by elasticity (T), JOSA 66: 1334
- Refractive null correctors for aspheric surfaces (A), JOSA 66: 1113
- Relationship of the fundamental mode phase of unstable resonators to intracavity aberrations (A), JOSA 68: 1435
- Restoration of astigmatism and curvature of field (TE), JOSA 65: 712
- Sampling requirements in interferogram reduction (A), JOSA 64: 1369
- Second-order focusing conditions for ruled concave gratings (T), JOSA 64: 1616
- Sensor system for detecting wavefront distortion in a return beam of light (P), AO 18: 3341
- Sharpness index and its application to focus control (TE), AO 15: 877
- Sine condition derivation via Fourier optics (T) (L), AO 18: 2912
- Single optical lens with large aperture and large field (P), AO 17: 1473
- Spatial filtering of aberrations and the point diffraction interferometer (A), JOSA 68: 1416
- Spherical aberration correction and fabrication tolerances in geodesic lenses (T), AO 17: 3969
- Spherical aberration measurement with shearing interferometer using Fourier imaging and moiré method (ET), AO 14: 623
- Stable iterative approach to phase retrieval from point-spread function data (A), JOSA 69: 1467
- Stellar interferometer for figure sensing of orbiting astronomical telescopes (TE), AO 13: 1785
- Stigmats using two curved Fresnel surfaces (T), AO 18: 4187
- Study of laser speckles in the presence of spherical aberration (E), JOSA 69: 877
- Subjective method for the determination of aberrations of the eye (A), JOSA 64: 554
- Subjective method for the measurement of monochromatic aberrations of the eye (E), JOSA 67: 1508
- Surface-contribution algorithms for analysis and optimization: comment (L), JOSA 66: 628
- Surface contribution algorithms for analysis and optimization: reply (L), JOSA 66: 630
- Surface topography by caustics (T), AO 15: 1629
- Testing of spherical surfaces by holographic interference (P), AO 15: 831
- Theory of fifth-order aberration of graded-index media (T), JOSA 66: 1320
- Third-order aberrations of the photographic Wood lens (T), JOSA 66: 1326



Total illumination in an aberration free annular aperture (T) (L), AO 13: 736

Transfer function of coherent optical systems with quadratic detection (TE), JOSA 69: 628

Two-dimensional nonimaging concentrators with refracting optics (T) (L), JOSA 69: 917

Two-element refractive correctors for UV telescopes (A), JOSA 68: 1374

Unobscured-aperture two-mirror systems (T), JOSA 65: 1141

Visual aberrations and observer performance with biocular magnifiers (A), JOSA 67: 1373

Vulnerability of speckle photography to lens aberrations (A), JOSA 67: 1390

Vulnerability of speckle photography to lens aberrations (E), JOSA 67: 1587

Wave front aberration analysis for general aperture and to very high orders (A), JOSA 69: 1419

Wave-front analyzer using a maximum likelihood algorithm (T), JOSA 67: 396

Wavefront compensation error due to finite corrector-element size (A), JOSA 65: 1211

Well baffled two-mirror corrector for a parabola (T), AO 16: 1175

Wollaston prism as a beam splitter in convergent light (T) (L), AO 17: 3352

Zoom null lens (T), AO 18: 3863

## Absorption

Absolute determination of two-photon absorption (TPA) cross sections (A), JOSA 68: 1423

Absorbing and radiating cylinders as boundary-value problems (T), JOSA 64: 619

Absorbance of thin films (T), AO 16: 2495

Absorption and vacuum photolysis of silver halides (TE), JOSA 67: 830

Absorption at 10.6- $\mu$ m dependence on roughness of UHV-coated supersmooth mirrors (E) (L), AO 14: 266

Absorption by HDO at DF laser wavelengths (A), JOSA 66: 1088

Absorption characteristics of the  $\gamma$ -0 band of nitric oxide (TE), AO 17: 1290

Absorption characteristics of the  $\gamma$ -0 band of nitric oxide: reply to comments (T) (L), AO 18: 419

Absorption characteristics of the  $\gamma$ -0 band of nitric oxide: comments (T) (L), AO 18: 419

Absorption coefficient of atmospheric dust and other strongly absorbing powders: an improvement on the method of measurement (TE) (L), AO 14: 2813

Absorption coefficient of pure water at 488 and 541.5 nm by adiabatic laser calorimetry (E), JOSA 67: 622

Absorption coefficients for fourteen gases at CO<sub>2</sub> laser frequencies (E) (L), AO 15: 1688

Absorption coefficients in highly transparent solids: barothermal theory for cylindrical configurations (T), AO 14: 3031

Absorption coefficients of highly transparent solids: photoacoustic theory for cylindrical configurations (T), AO 15: 1313

Absorption coefficients of jet fuels for CO and CO<sub>2</sub> laser transitions (A), JOSA 68: 1403

Absorption coefficients of weakly absorbing solids: theory of a barothermal gas cell (T), AO 15: 347

Absorption de la lumiere d'un laser He-Ne par des pieges chrome-sulfure de zinc (E) (L), AO 13: 464

Absorption efficiencies for large spherical particles: a new approximation (T) (L), AO 17: 3861

Absorption in laser-produced plasma experiments: a personal view (ET,R), AO 18: 3555

Absorption of a weakly absorbing thin layer (T) (L), JOSA 68: 1284

Absorption of carbon dioxide 9.4- $\mu$ m laser radiation by ozone (E), AO 13: 1438

Absorption of DF laser radiation by propane and butane (E) (L), AO 15: 1114

Absorption of Mn I between 1305 and 2040 Å (E), JOSA 68: 1541

Absorption of thin film materials at 10.6  $\mu$ m (ET), AO 14: 3043

Absorption spectra of Zn I and Cd I in the 1300-1750 region (E), JOSA 65: 1404

Absorption spectroscopy of scattering samples using integrated optics (A), JOSA 66: 291

Absorption spectroscopy stack monitor (P), AO 13: 1A26

Absorption spectrum of B I in the 1350-1900-Å region (E), JOSA 64: 877

Absorption spectrum of fluorine F I observed with the helium continuum (E), JOSA 68: 1564

Accuracy of the AFCRL atmospheric absorption line parameters compilation in the 10- $\mu$ m atmospheric window (E) (L), AO 15: 2616

Adiabatic pressure dependence of the 2.7 and 1.9  $\mu$ m water vapor bands (E), JOSA 67: 1532

Aerosol particle characterization using both scattering and extinction measurements (A), JOSA 68: 1358

Aerosol size distributions over the North Atlantic and the Mediterranean (A), JOSA 67: 1370

AFGL trace gas compilation (TE) (L), AO 17: 507

Analysis of laser calorimetric data (A), JOSA 67: 252

Analysis of laser calorimetric data (ET), AO 16: 2837

Analysis of the saturation of molecular absorption (A), JOSA 65: 1207

Anomalous dispersion of surface plasma oscillations (TE) (L), JOSA 68: 1147

Apparatus for the measurement of optical absorptivity in laser mirrors (E), AO 13: 1405

Application of high-resolution spectroscopy to DF laser propagation (A), JOSA 65: 1201

Application of pulsed-source spectrophone to absorption by methane at DF laser wavelengths (E) (L), AO 15: 2970

Approximation to the incomplete gamma function for strong-line absorbance model (T) (L), AO 15: 19

Approximation to the Lorentzian coefficient for efficient calculation of transmittance profiles (T), AO 17: 1425

Atmospheric corrections for airborne measurements of water surface temperature (T) (L), AO 13: 1745

Atmospheric extinction between 0.55  $\mu$ m and 10.6  $\mu$ m due to soil-derived aerosols (T), AO 16: 2414

Atmospheric 10.6- $\mu$ m absorption coefficient: dynamics (T), AO 14: 1911

Atmospheric transmission measurements at HF and DF laser wavelengths (E) (L), AO 15: 1115

Atomic Absorption and Fluorescence Spectroscopy. By C. F. Kirkbright and M. Sargent (B). Reviewed by Barnes, Ramon M., AO 14: 2351

Atomic-state densities of Ne metastable and Br resonant levels in a Ne-Br mixture (E) (L), JOSA 64: 1720

Automated analysis of laser calorimetric data (E), AO 18: 3161

Automation of a laser absorption calorimeter (E), AO 17: 1938

Automation of longpath absorption cell measurements (A), JOSA 67: 1419

Bandstrength determination of the fundamental vibration-rotation spectrum of ClO (E) (L), AO 17: 1680

Basic equations used in computer color matching. II. Tristimulus match, two-constant theory (T), JOSA 64: 991

Brewster angle light trap (E) (L), AO 16: 2352

Bulk and surface calorimetric measurements at CO wavelengths (A), JOSA 67: 253

Calculated temperature dependences of silver and gold absorptions in the infrared (T) (L), AO 17: 1989

Calculations of line absorption for the Voigt profile (T) (L), JOSA 68: 1008

Calibration of the absorption spectra at 14-15  $\mu$ m obtained with a tunable diode laser (E) (L), AO 15: 2973

Calorimeter to measure the 10.6- $\mu$ m absorption of metal substrate mirrors (E), AO 14: 721

Calorimetric absorption coefficient measurements using pulsed CO<sub>2</sub> lasers (E), AO 18: 3517

Calorimetric measurement of absorption vs temperature in a gold film (E) (L), AO 18: 2905

Calorimetric measurements of stimulated emission cross sections and absorption coefficients at 1.06  $\mu$ m (ET) (L), AO 16: 1484

Calorimetric measurements of weakly absorbing materials: theory (T), AO 18: 1546

Carbon aerosol visibility vs particle size distribution (T), AO 17: 2612

Carbon dioxide (10.6- $\mu$ m) atmospheric propagation enhancement due to off-line center tuning (T), AO 18: 2323

Coaxial alignment of laser beams for perturbation experiments (E), AO 13: 1639

Collisional narrowing: its effect on the equivalent widths of spectral lines (T), AO 15: 714

Collision-induced far-infrared absorption in helium-argon mixtures and nitrogen at high pressure (E), JOSA 67: 905

Convolution algorithm for the Lorentz function (T), AO 18: 2329

Derivatives of 6.3  $\mu$ m water-vapor-band (ET), JOSA 64: 1119

Determination of the line shapes of atomic nitrogen resonance lines by magnetic scans (ET), AO 15: 2649

Determination of vibration-rotation line strengths for HF and DF by use of an HF/DF cw laser (E), JOSA 64: 1162

Dichroic microspectrophotometer: a computer-assisted, rapid, wavelength-scanning photometer for measuring linear dichroism in single cells (E), JOSA 64: 903

Dielectric coated gratings: a curious property (TE), AO 16: 3009

Differential mode attenuation measurements in graded-index fibers (E), AO 17: 1830

Differential spectrophone measurements of the absorption of laser energy by atmospheric dust (E) (L), AO 14: 2564

Diode laser spectroscopy of foreign-gas-broadened sulfuric acid (H<sub>2</sub>SO<sub>4</sub>) vapor (E) (L), AO 17: 173

Discrete absorptions and emissions in crop spectra (E) (L), AO 17: 493

Distribution of absorption centers within irradiated spheres (T), JOSA 69: 55

Doppler and collision-broadening effects in the profile of spectral lines (T), JOSA 65: 949

Doppler-limited molecular spectroscopy by difference-frequency mixing (E), JOSA 64: 1683

Drawing-induced coloration in vitreous silica fibers (E), JOSA 64: 475

Effect of retarded dipole-dipole interactions between island particles on the optical plasma-resonance absorption of a silver-island film (TE), JOSA 64: 1563

Effects of oxygen addition on pressure-broadened water-vapor absorption in the 10- $\mu$ m region (E), AO 17: 2724

Effects of particulate complex refractive index and particle size distribution variations on atmospheric extinction and absorption for visible through middle IR wavelengths, AO 17: 3922

Electrochromic display cell (P), AO 18: 3892

Electrochromic variable optical transmission device with a liquid electrolyte (P), AO 18: 3892

Electromagnetic power absorber (P), AO 17: 10

Estimating the spatial concentration of certain types of air pollutants (T), JOSA 67: 668

Extinction coefficient of the  $R_{1/2}(25/2)$  NO transition at the 8-7 P(11) CO laser line (E) (L), AO 18: 597

Extraction of total atmospheric ozone content from solar spectral irradiance data in the Huggins and Chappuis bands (A), JOSA 67: 1370

Extrinsic absorption spectra in zinc selenide (A), JOSA 69: 1472

Factors affecting practical attenuation and dispersion measurements (A), JOSA 67: 707

Far infrared transmission measurements with an optically pumped FIR laser (E) (L), AO 15: 2617

Fog hole boring with pulsed high-energy lasers: an exact solution including scattering and absorption (T), AO 17: 3424

Forward scattering corrections for aerosol extinction measurements (A), JOSA 67: 1370

Fourier transform spectroscopy measurements of long-path atmospheric absorption (A), JOSA 68: 1425

Frequency and temperature dependence of residual lattice absorption in semiconducting crystals (A), JOSA 67: 253

Fundamental absorption edge in laser window CdTe (E), AO 14: 2662

Generalized equations for the calculation of absorptance, reflectance, and transmittance of a number of parallel surfaces (T), AO 17: 531

Generalized Fresnel's laws for a curved absorbing interface (T), JOSA 65: 1072

Global monitoring of stratospheric halogen compounds from a satellite using gas filter spectroscopy in the solar occultation mode (TE) (L), AO 16: 1479



- Heat flow analysis of laser absorption calorimetry (T), AO 14: 314
- Heterodyne measurements of infrared absorption frequencies of D<sub>2</sub>O (E), OL 2: 70
- High-energy laser beam propagation through water droplets (A), JOSA 68: 1357
- High-resolution saturated absorption of the <sup>1</sup>S<sub>0</sub>-<sup>3</sup>P<sub>1</sub> calcium transition in an atomic beam (A), JOSA 68: 1634
- High-resolution spectroscopy of combustion gases using a tunable IR diode laser (E) (L), AO 16: 2045
- High temperature absorption in CO<sub>2</sub> at 10.6 μm (ET), AO 13: 2643
- High temperature absorption in the 10.4-μm band of CO<sub>2</sub> (ET), AO 18: 378
- High-temperature reflectance of silicon-on-silver solar-thermal absorber (A), JOSA 64: 1384
- Hydrogen deuterium oxide absorption measurements using a single frequency DF laser (A), JOSA 64: 1391
- Identification of the optically absorbing component in urban aerosols (E) (L), AO 17: 3859
- Imaginary refractive index determinations of the strong absorption in atmospheric dust in the 2.0-3.0 μm spectral region (A), JOSA 67: 1363
- Impurity absorption in CVD ZnSe (A), JOSA 67: 253
- Impurity absorption in CVD ZnSe (E), AO 16: 2902
- Indium tin oxide-coated silicon as a selective absorber (ET) (L), AO 14: 2328
- Influence of atmospheric absorption on satellite auroral observations (T), AO 18: 3324
- Infrared absorption at 10.6 μm in CO<sub>2</sub> at elevated temperatures (E) (L), AO 16: 2632
- Infrared absorption by small amorphous quartz spheres (E), AO 13: 1586
- Infrared absorption coefficient of H<sub>2</sub>SO<sub>4</sub> vapor from 1190 to 1260 cm<sup>-1</sup> (A), JOSA 67: 250
- Infrared absorption coefficients of gaseous H<sub>2</sub>SO<sub>4</sub> and SO<sub>2</sub> (E) (L), AO 17: 975
- Infrared absorption coefficient of H<sub>2</sub>SO<sub>4</sub> vapor from 1190 to 1260 cm<sup>-1</sup> (E), JOSA 67: 624
- Infrared absorption in chemical laser window materials (E), AO 15: 1953
- Infrared absorption in germanium and silicon (A), JOSA 67: 253
- Infrared bulk and surface absorption by nearly transparent crystals (ET), AO 15: 2075
- Infrared characterization of surfaces and coatings by internal-reflection spectroscopy (E), AO 17: 1776
- Infrared circular dichroism and linear dichroism spectrophotometer (E), AO 14: 454
- Infrared continuum absorption by atmospheric water vapor in the 8-12-μm window (E), AO 15: 2085
- Infrared emissivity of single water droplets (L), AO 18: 4065
- Infrared energy levels and intensities of carbon dioxide (TE), AO 17: 2605
- Infrared heterodyne spectroscopy of atmospheric ozone (E) (L), AO 16: 526
- Infrared spectral emittance profiles of spectrally selective solar absorbing layers at elevated temperatures (TE), AO 16: 2818
- Infrared spectral radiance of a hot source through an atmospheric path (T) (L), AO 15: 2613
- In-situ* measurements of aerosol absorption with a resonant cw laser spectrophone (ET) (L), AO 16: 1762
- Internal field resonance structure: implications for optical absorption and scattering by microscopic particles (T), JOSA 68: 1242
- Ion polishing of copper: some observations (E), AO 14: 1803
- Irradiance attenuation coefficient in a stratified ocean: a local property of the medium? (A), JOSA 68: 1424
- Irradiance tailoring as a method of reducing thermal blooming in an absorbing medium (TE), JOSA 64: 1123
- Kilometer-path low-temperature multiple-reflection cell for laser spectroscopy using tunable semiconductor diodes (E), AO 17: 2511
- Kramers-Kronig analysis: revised optical constants, JOSA 64: 830
- Large refractive-index change in PbI<sub>2</sub> films by photolysis at 150-180°C (E), JOSA 65: 914
- Laser absorption methods for simultaneous determination of temperature and species concentrations through a cross section of a radiating flow (T), AO 15: 768
- Laser Applications to Atmospheric Sciences: a Bibliography: NASA CR 2536. By Franklin S. Harris, Jr. (B). Reviewed by Silverman, Shirleigh, AO 15: 847
- Laser induced damage in optical materials: ninth ASTM symposium (R), AO 17: 2386
- Laser optoacoustic absorption spectra for various explosive vapors (E), AO 17: 2097
- Laser radar conference, eighth international, Drexel University, 6-9 June 1977 (M), Reported by Russell, Philip B., AO 16: 2587
- Laws of optics at high irradiance. II. Experiments with SF<sub>6</sub> at normal incidence (E), JOSA 67: 734
- Light scattering and absorption by coated spheres (A), JOSA 64: 528
- Limit of the moth's eye principle and other impedance-matching corrugations for solar-absorber design (T), JOSA 65: 267
- Limit of the moth's eye principle and other impedance-matching corrugations for solar-absorber design (errata), JOSA 65: 748
- Liquid surface coating for optical components used in high power laser applications (E), AO 16: 2491
- Long-path monitoring: advanced instrumentation with a tunable diode laser (E) (L), AO 15: 1653
- Long-path monitoring of atmospheric carbon monoxide with a tunable diode laser system (E), AO 14: 854
- Losses of a nematic liquid-crystal optical waveguide (TE), JOSA 64: 1424
- Loss mechanisms in dielectric optical interference devices (T), AO 16: 2147
- Low loss fused silica made by the plasma torch (E) (L), AO 13: 744
- Mass absorption coefficients for polypropylene and Parylene C between 8.34 Å and 452 Å (E) (L), AO 13: 1744
- Mass absorption coefficients of Parylene N at soft x-ray and vacuum-ultraviolet wavelengths (E) (L), JOSA 65: 1515
- Mass absorption indices of various types of natural aerosol particles in the infrared, AO 14: 2851
- Mathematical expressions for molecular absorption in Lowtran 3B (T), AO 17: 2591
- Measured and predicted atmospheric transmission in the 4.0-5.3-μm region, and the contribution of continuum absorption by CO<sub>2</sub> and N<sub>2</sub> (TE), AO 18: 2454
- Measurement of HCl absorption coefficients with a DF laser (ET), AO 16: 97
- Measurement of small absorptions in liquids (E), OL 4: 81
- Measurement of spectral total and scattering losses in unclad optical fibers (ET), JOSA 64: 469
- Measurement of the absorption coefficient of atmospheric dust (ET), AO 13: 1923
- Measurement of very low absorption coefficients by laser calorimetry (E), AO 14: 1128
- Measurements of NH<sub>3</sub> absorption coefficients with a <sup>13</sup>C<sup>16</sup>O<sub>2</sub> laser (ET), AO 14: 2229
- Measurements of small signal absorption at high temperature for the 001-100 band of CO<sub>2</sub> (E), AO 13: 1920
- Measurements of the absorption coefficient in fiber optical waveguides using a calorimetric technique (ET) (L), AO 14: 1258
- Measurement techniques for small absorption coefficients: recent advances (R), AO 16: 2827
- Measuring the infrared absorption in thin film coatings (E), AO 16: 2843
- Mechanisms for producing lattice absorption: one or two? (A), JOSA 67: 253
- Mie scattering by spheres in an absorbing medium (T), JOSA 64: 1593
- Mode-locked laser (P), AO 17: 681
- Multiphonon absorption in mixed As<sub>2</sub>S<sub>3</sub>-GeS<sub>4</sub> glasses (A), JOSA 67: 254
- New absorption band in the spectrum of ruby (E) (L), JOSA 64: 893
- NO<sub>2</sub> concentration measurements in an urban atmosphere using differential absorption techniques, AO 13: 1481
- Nonlinear absorption in direct-gap semiconductors (T), AO 14: 3038
- Nonlinear absorption of SF<sub>6</sub> at high infrared intensities and high pressures (ET), AO 16: 1187
- Nonspherical extinction and absorption efficiencies (T), AO 17: 3159
- Normalization technique for accurate measurement of two-photon absorption coefficients (A), JOSA 66: 78
- Observation of laser-induced explosion of solid materials and correlation with theory (ET), AO 13: 274
- Observations of Li I and Li II absorption spectra in the grazing incidence region (E), JOSA 67: 1030
- Opacity of black smoke: calculated variation with particle size (A), JOSA 68: 1358
- Opacity of black smoke: calculated variation with particle size and refractive index (T), AO 18: 1399
- Optical absorption in KCl and NaCl at infrared laser wavelength (E) (L), AO 17: 1679
- Optical constants from the far infrared to the x-ray region: Mg, Al, Cu, Ag, Au, Bi, C, and Al<sub>2</sub>O<sub>3</sub> (E) (L), JOSA 65: 742
- Optical constants of bulk and thin-film aluminum at 6328 Å (E), JOSA 65: 792
- Optical constants of solid ammonia in the infrared (E), JOSA 65: 432
- Optical performance of absorber-reflector combinations for photothermal solar energy conversion (T), JOSA 68: 292
- Optical properties of aggregated lithium deposits (E), JOSA 67: 510
- Optical properties of highly transparent solids, an international conference, Waterville Valley, New Hampshire, 3-5 Feb 1975 (M), Reported by Mitra, S. S.; Bendow, Bernard, AO 14: 1473
- Optical properties of metamagnets (A), JOSA 65: 1168
- Optical properties of water in the near infrared (E), JOSA 64: 1107
- Optical transitions in disordered thin films of ionic compounds as a function of conditions of preparation (A), JOSA 67: 252
- Optoacoustic detection of NO<sub>2</sub> using a pulsed dye laser (E), AO 16: 2972
- Optoacoustic measurement of optical absorption in acetylene smoke (TE), JOSA 69: 1699
- Opto-acoustic technique for measuring the optical absorption coefficient in solids (A), JOSA 65: 1165
- Ozone absorption at 9 μm CO<sub>2</sub> laser wavelengths (A), JOSA 65: 1163
- Partial differential rate equations for a bilével absorber (TE), AO 17: 357
- Particle light scattering and absorption on a per unit mass basis (A), JOSA 67: 1376
- Particle size dependence of the composition and complex refractive index of atmospheric dust: measurements and discussion (A), JOSA 67: 1364
- Path differencing: an improvement to multipass absorption cell measurements (E) (L), AO 15: 16
- Path-differencing measurements of DF laser absorption by propane with butane (A), JOSA 65: 1163
- Penetration depth of 10.6-μm radiation in Plexiglas (E) (L), AO 18: 1295
- Photoabsorption of the 4d electrons in xenon (E), JOSA 65: 634
- Photoabsorption spectrum of Mg I in the range 226-170 Å (54-70 eV) (E), JOSA 69: 520
- Photoacoustic detection of localized absorption regions (E) (L), AO 18: 2354
- Photoacoustic determination of small optical absorption coefficients: extended theory (T), AO 18: 1363
- Photoacoustic measurements of surface and bulk absorption in HF/DF laser window materials (ET), AO 16: 2919
- Photoacoustic methods for measuring surface and bulk absorption coefficients in highly transparent materials: theory of a gas cell (T), AO 15: 2405
- Photoacoustic spectroscopy: a measurement technique for low absorption coefficients (A), JOSA 67: 252
- Photoacoustic spectroscopy: a measurement technique for low absorption coefficients (T), AO 16: 2834
- Photoacoustic spectroscopy of NH<sub>3</sub> at the 9-μm and 10-μm <sup>12</sup>C<sup>16</sup>O<sub>2</sub> laser wavelengths (E), AO 17: 3746
- Photoacoustic technique for determining optical absorption coefficients in solids (E), AO 16: 101
- Photoacoustic technique for measuring surface absorption (A), JOSA 66: 1105
- Pieges a lumière interférentiels a larges bandes azimuthale et spectrale (ET), AO 13: 1605
- Plant canopy light absorption model with application to wheat (TE), AO 17: 2629
- Plasma resonance in granular deposits of iron and interstellar dust (E) (L), AO 17: 3521



- Polarization nearness variation in an anisotropically absorbing medium (T), AO 18: 2990
- Pollution monitoring systems based on resonance absorption measurements of ozone with a "tunable" CO<sub>2</sub> laser: some criteria (ET), AO 15: 340
- Portable cell for simultaneously measuring the coefficients of light scattering and extinction for ambient aerosols (E), AO 18: 1009
- Practical upper limits of the optical extinction coefficients of aerosols (TE), AO 18: 1372
- Pressure and temperature dependence of Freon-12 absorption coefficients for CO<sub>2</sub> waveguide laser radiation (E), AO 17: 1018
- Pressure-broadened linewidths in the 2.5- $\mu$  band of HF and the influence of polymer formation (E), JOSA 69: 1546
- Pressure dependence of the water vapor continuum absorption in the 3.5-4.0- $\mu$ m region (E), AO 18: 1149
- Pulsed spectrophone measurements of methane absorption coefficients (A), JOSA 65: 1164
- Quantitative detection of atomic absorption by intracavity dye-laser quenching (E), AO 16: 403
- Recent advances in measurement techniques for small absorption coefficients (A), JOSA 67: 252
- Relation between absorption coefficient and imaginary index of atmospheric aerosol constituents (T), AO 18: 1368
- Residual absorption in HF and DF laser window materials from contamination by carbonaceous and other impurities (A), JOSA 67: 254
- Residual absorption in infrared materials (A), JOSA 67: 253
- Residual absorption in infrared materials (R), AO 16: 2882
- Residual lattice absorption in semiconducting crystals: frequency and temperature dependence (ET), AO 16: 2909
- Resonances in electromagnetic scattering by objects with negative absorption (T), AO 18: 1180
- Resonances in the efficiency factors for absorption: Mie scattering theory (T) (L), AO 17: 491
- Ruby filter for stray light reduction in scattering experiments (E) (L), AO 15: 573
- Saturable absorber properties of a laser dye; stimulated propagation of the pump flux (T), AO 18: 536
- Saturable gas absorber for a 9- $\mu$ m band CO<sub>2</sub>-laser amplifier (E), OL 4: 199
- Scattering properties of irregular dielectric and absorbing particles (A), JOSA 67: 257
- Secondary laser cavity for weak absorptions (E) (L), AO 17: 2659
- Selective absorption cross section of CF<sub>3</sub>CHCl<sub>2</sub> and CF<sub>3</sub>CDCl<sub>2</sub> at 10.2 and 10.6  $\mu$ m of a TEA CO<sub>2</sub> laser (E), OL 4: 340
- Selective electroplated chromium blacks (E), AO 17: 2637
- Selective nature of gold-black deposits (E), JOSA 66: 249
- Self-focusing of coherent optical pulses in resonant absorbers (A), JOSA 65: 1181
- Self-induced irradiance fluctuations of a laser beam in an absorbing, turbulent medium (T), JOSA 64: 1645
- Simplified grating model for the study of absorption anomalies (A), JOSA 69: 1473
- Simplified phase functions for colorant characterization (T), JOSA 65: 839
- Simultaneous heating and temperature measurements by an infrared laser beam (TE), AO 15: 353
- Small absorption coefficient measurement by calorimetric and spectral emittance techniques (E) (L), AO 13: 1741
- Solar concentrators with maximal concentration for cylindrical absorbers (T) (L), AO 16: 15
- Solutions of the refraction and extinction integrals for use in inversions and image formation (T), AO 16: 160
- Some measurements of the attenuation of solar radiation during BOMEX (E), AO 13: 487
- Spectral-absorbance measurements for laser calorimetry (TE), JOSA 65: 573
- Spectral absorption of AgCl (E) (L), JOSA 69: 631
- Spectral characteristics and atmospheric CO<sub>2</sub> absorption of the Ho<sup>+</sup>3:YLF laser at 2.05  $\mu$ m (E) (L), AO 15: 865
- Spectral radiative flux divergence and its variability in the troposphere in the 0.4-2.4- $\mu$  region (E), AO 13: 478
- Spectrophone for *in situ* measurement of gaseous/particulate absorption (A), JOSA 66: 1071
- Spectrophone measurements of infrared laser energy absorption by atmospheric dust (A), JOSA 66: 1088
- Spectrophone measurements of infrared laser energy absorption by atmospheric dust (E), AO 15: 2546
- Spectrophone measurements of the absorption of visible light by aerosols in the atmosphere (E), OL 1: 70
- Spectroscopy at very high pressures. 23: Mid IR ultramicrospectroscopy with a gasketed diamond anvil cell (E) (L), AO 18: 594
- Spherical particle populations: approximate analytic relationship between size distribution parameters and integral optical properties (T), AO 15: 1178
- Split-pulse laser method for measuring attenuation coefficients of transparent liquids: application to deionized filtered water in the visible region (E), AO 17: 3587
- Static profile calorimetry of laser materials (T), AO 16: 2897
- Statistical-band-model analysis and integrated intensity for the 21.8  $\mu$ m bands of HNO<sub>3</sub> vapor (T), JOSA 65: 10
- Sulfur dioxide absorption cross sections for <sup>12</sup>C<sup>18</sup>O<sub>2</sub> laser lines around 9  $\mu$ m (E) (L), AO 17: 3347
- Surface absorption in KCl and CaF<sub>2</sub> at 2.8  $\mu$ m and 3.8  $\mu$ m (E) (L), AO 18: 2534
- Surface and bulk absorption in HF/DF laser window materials (A), JOSA 67: 253
- Surface chemistry and absorbance of CaF<sub>2</sub> and SrF<sub>2</sub> at DF and CO wavelengths (A), JOSA 67: 254
- Technique for measuring the infrared absorption in thin-film coatings (A), JOSA 67: 252
- Temperature dependence of multiphonon absorption in zinc selenide (A), JOSA 67: 253
- Temperature dependence of multiphonon absorption in zinc selenide (ET), AO 16: 2891
- Temperature dependence of the absorption edge of vitreous silica (T) (L), AO 15: 2976
- Temperature dependence of the dielectric response of KTaO<sub>3</sub> by dispersive Fourier transform spectroscopy (T), JOSA 68: 1322
- Temperature measurement technique for high-temperature gases using a tunable diode laser (ET) (L), AO 17: 2477
- Test for absorption at interfaces (A), JOSA 64: 1384
- Testing germanium for heating absorbing inclusions (N), AO 16: 1768
- Theoretical atmospheric transmission in the mid- and far-infrared at four altitudes (T), AO 15: 364
- Thermal blooming vs linear absorption in a vertical beam (T) (L), AO 14: 2560
- Thermodynamic derivatives of infrared absorbance (TE), JOSA 64: 1111
- Thin-film 2.8- $\mu$ m and 3.8- $\mu$ m absorption in single-layer films (E), AO 17: 2798
- Thin-wedge-shaped cell for highly absorbent liquids (E), AO 17: 960
- Time-resolved molecular excitation and heat effects induced by infrared radiation (E), AO 16: 1931
- Transit time of light through clouds deduced from O<sub>2</sub> absorption measurements (A), JOSA 69: 1412
- Transmission at  $\lambda = 10.6$ - $\mu$ m wavelength through the upper atmosphere (T), AO 17: 2316
- Transmission measurements of multiple photon absorption in SF<sub>6</sub> (E), OL 1: 28
- Transmittance of photochromic glass at environmental extremes (E) (L), AO 18: 595
- Tunable diode laser high resolution spectroscopic measurements of the  $\nu_2$  vibration of carbon dioxide (E), AO 14: 1120
- Tunable diode laser spectroscopic determination of  $\nu_3$  band center of <sup>14</sup>C<sup>16</sup>O<sub>2</sub> at 4.5  $\mu$ m (ET) (L), AO 16: 3072
- Tunable diode laser spectroscopy of <sup>14</sup>CO<sub>2</sub>: absorption coefficients and analytical applications (E) (L), AO 16: 2350
- Two-photon absorption spectroscopy using nonlinear laser calorimetry (A), JOSA 68: 1397
- Ultra-black coating for optical and solar devices (A), JOSA 69: 1400
- Ultraviolet optical constants of water and ammonia ices (ET), JOSA 65: 919
- Ultraviolet optical properties of Li (E), JOSA 64: 839
- Ultraviolet-visible absorption in highly transparent solids by laser calorimetry and wavelength modulation spectroscopy (E), AO 17: 1541
- Update of the AFGL atmospheric absorption line parameters compilation (TE) (L), AO 17: 3517
- Updating of the AFCRL atmospheric absorption line parameters compilation (L), AO 15: 2616
- Vacuum-ultraviolet absorption spectra and optical constants of poly(N-vinyl carbazole) films (TE), JOSA 64: 952
- Very long optical paths in air (E), JOSA 66: 411
- Water cluster interpretation of IR absorption spectra in the 8-14- $\mu$ m wavelength region (T), AO 18: 2609
- Water continuum absorption measurements using a single-frequency DF laser (A), JOSA 65: 1201
- Water vapor absorption coefficients at HF laser wavelengths (2.64-2.93  $\mu$ m) (ET), AO 18: 1582
- Water-vapor absorption line parameter measurements using laser spectroscopy (A), JOSA 65: 1164
- Water-vapor absorption measurements using a line-tunable deuterium fluoride laser (A), JOSA 65: 1201
- Water vapor absorption of carbon dioxide laser radiation (E), AO 15: 2480
- Water vapor continuum absorption in the 3.5-4.1  $\mu$ m region (A), JOSA 66: 1088
- Water-vapor-continuum absorption measurements (3.5-4.0  $\mu$ m) using HDO-depleted water (E), OL 1: 31
- Water vapor continuum absorption in the 3.5-4.0- $\mu$ m region (ET), AO 17: 2711
- Water vapor: spectral transmission at wavelengths between 0.7  $\mu$ m and 1  $\mu$ m (E), AO 17: 2114
- White cell for airborne use (A), JOSA 69: 1427
- Zur mathematischen Analyse von Oszillogrammen der kinetischen Absorptionsspektrophotometrie (T), AO 14: 1013

## Acoustic surface waves

See also Integrated optics

- Acousto-optic Bragg diffraction using multiple-surface acoustic waves and electro-optic deflection/modulation using tilted electrodes (A), JOSA 66: 289
- Convolution using guided acousto-optical interaction on As<sub>2</sub>S<sub>3</sub> waveguides (A), JOSA 66: 290
- Light scattering on internal reflection from surface acoustic waves (A), JOSA 67: 1444
- Polarization states of light diffracted by acoustic surface waves (ET), AO 15: 811
- Two-dimensional image scanning of movies using AO interaction with surface acoustic waves (A), JOSA 67: 1444

## Acoustics

- Acoustical holography system for acoustic image conversion (P), AO 15: 831
- Acoustical Imaging and Holography journal (N), AO 15: 2227
- Adiabatic pressure dependence of the 2.7 and 1.9  $\mu$ m water vapor bands (E), JOSA 67: 1532
- Advances in Holography, Volume 1. Edited by Nabil H. Farhat (B). Reviewed by Condell, W. J., Jr., AO 15: 1891
- Couplage eclairant (ET) (L), AO 18: 604
- Coupled waveguide acoustooptic hydrophone (TE) (L), AO 18: 3533
- Differential interferometry: new applications in ultrasonics (A), JOSA 67: 1444
- Diffraction spectrum of light transmitted by a superimposed ultrasonic wave and diffuser (TE), JOSA 69: 963
- Fiber-optic acoustic sensors with increased sensitivity by use of composite structures (E), OL 4: 320
- Fiber optic acoustic sensors with composite structure: an analysis (T), AO 18: 3679
- Fiber optic hydrophone sensitivity for different sensor configurations (T) (L), AO 18: 3720
- Lambda meter to facilitate exploitation of narrow line lasers, AO 16: 1849



- Light scattering by sound waves near interfaces (A), JOSA 66: 1106
- Light scattering from acoustic shear waves in quinoline and aniline (A), JOSA 66: 1106
- Measurement of sensitivity of optical fibers for acoustic detection (E), AO 18: 938
- Optical & Acoustical Micro-Electronics, Proceedings of the Symposium. Edited by Jerome Fox (B), Reviewed by Shostak, A., AO 15: 1109
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- Optical detection of acoustic emission waves (E) (L), AO 16: 2333
- Optical fiber acoustic sensor utilizing mode-mode interference (E), AO 18: 666
- Optic scatter transducer (P), AO 18: 3255
- Pressure sensitivity of a clad optical fiber (T), AO 18: 4085
- Proposed mapping of ultrasonic fields with conventional light diffraction (TE), JOSA 65: 682
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- Sensation and Perception: An Integrated Approach. By Harvey Richard Schiffman (B), Reviewed by Harvey, Lewis O., Jr., JOSA 67: 414
- Simple interferometer for monitoring Rayleigh waves (E), AO 17: 2064
- Single fiber interferometric acoustic sensor (E) (L), AO 17: 330
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- Ultrasonic waves: their interferometric measurement and display (E), AO 15: 1499
- Vibration measurement on the human ear drum *in vivo* (E), AO 18: 763
- Zbornik Praci Vyzkumneho Ustavu Zvukove, Obrazove a Reprodukci Techniky, 1974 Svazek 5 Vuzort Praha 1974. J. Polasek and J. Struska, eds. (B), Reviewed by Grum, Franc, JOSA 65: 1383
- ## Acoustooptics
- See also Photoacoustics
- Acoustical-optical devices for laser-beam modulation (A), JOSA 66: 385
- Acousto-optical devices for optical information processing up to 1 GHz bandwidth (A), JOSA 67: 1444
- Acoustooptically tuned laser (P), AO 16: 2790
- Acoustooptic beam deflection for spatial frequency multiplexing in high speed holocinematography (E), AO 17: 2071
- Acoustooptic Bragg-diffraction with application to ultrahigh data rate laser communication systems. 1: Theoretical considerations of the standing wave ultrasonic Bragg cell (T), AO 16: 3032
- Acoustooptic Bragg-diffraction with application to ultrahigh data rate laser communication systems. 2: Experimental results of the SUBC and the acoustooptical multiplexer/demultiplexer terminals (ET), AO 16: 3044
- Acoustooptic device is described using a single crystal as its medium (P), AO 18: 749
- Acoustooptic filter (P), AO 15: 2609
- Acoustooptic interaction for most effective deflection of unguided light via acoustic surface waves (ET), AO 15: 2400
- Acoustooptic interaction in a planar acoustic waveguide (T), AO 17: 3837
- Acoustooptic modulation device (P), AO 15: 2945
- Acoustooptic modulator intensity servo (E), AO 18: 2947
- Acousto-optic snapshot PROM: real-time optical signal spectrum analyzer (A), JOSA 66: 389
- Acoustooptic spectrum analysis: a high performance hybrid technique (T), AO 18: 1668
- Acoustooptic TeO<sub>2</sub> tunable filter using far-off-axis anisotropic Bragg diffraction (ET), AO 15: 2250
- Acoustooptic traveling-wave transcription signal recording based on two-beam interference (TE), AO 18: 335
- Acoustooptic tunable filter performance in a staring IR sensor (T), AO 18: 3901
- Acousto-optic tunable filter using LiNbO<sub>3</sub> crystal (A), JOSA 66: 385
- Amplitude grating effects induced by picosecond laser-produced acoustical waves (A), JOSA 68: 1412
- Area heterodyne optical detection of acoustic holograms (ET) (L), AO 14: 1476
- Beam quality of acousto-optic frequency shifters (E), OL 3: 46
- Bragg coupling efficiency for guided acoustooptics interaction in GaAs (TE), AO 15: 156
- Bragg electrostriction in optical waveguides (T), AO 16: 1960
- Broadband acoustooptic deflectors: new results (ET), AO 14: 201
- Collimated light acoustooptic lateral shearing interferometer (ET) (L), AO 13: 1004
- Compensating the nonlinearity in the diffraction angle in TeO<sub>2</sub> abnormal Bragg deflectors (ET) (L), AO 14: 15
- Coupled-wave analysis of light diffraction by a multi-element acoustic transducer array (T), JOSA 64: 1049
- Coupled waveguide acoustooptic hydrophone (TE) (L), AO 18: 3533
- Demodulation scheme for laser-scanned acoustical-imaging systems (T), JOSA 69: 407
- Diffraction of light by sound waves according to the vector wave equation (T) (L), JOSA 64: 400
- Dual channel acousto-optical Bragg cell for optical information processing (A), JOSA 68: 1363
- Efficiency of thin-film acoustooptic light deflectors for a Gaussian guided optical beam (ET), AO 16: 2729
- Efficient wideband guided-wave acoustooptic Bragg diffraction using phased surface acoustic wave array in LiNbO<sub>3</sub> (ET), AO 16: 1297
- Energy from laser cavity device (P), AO 13: 7A26
- Guided acoustic traveling wave lens for high-speed optical scanners (ET), AO 18: 446
- High speed holographic digital recorder (ET), AO 13: 841
- Image scanning using surface acousto-optic interaction (A), JOSA 65: 1165
- Influence of light polarization on performance of LiNbO<sub>3</sub> surface-wave acousto-optic devices (A), JOSA 65: 1165
- Integrated optics analog to digital converter (A), JOSA 69: 1459
- Is the pecten nature's version of an acousto-optical modulator? (A), JOSA 68: 1428
- L'acousto-optique. Par J. Sapriel (B), Reviewed by Meyzonnette, Jean Louis, JOSA 68: 1648
- Large dynamic range acousto-optical devices using birefringent diffraction in TeO<sub>2</sub> (A), JOSA 68: 1363
- Large time-bandwidth product acoustooptic correlator and its use in a cascade design matched filter (E), AO 13: 1342
- Laser optoacoustic absorption spectra for various explosive vapors (E), AO 17: 2097
- Lifetime measurements for excited states of rare-earth atoms using pulse modulation of a cw dye-laser beam (E), JOSA 69: 984
- Light beam deflector performance: a comparative analysis (T), AO 13: 875
- Light scattering from surface acoustic waves near the Raman-Nath limit (A), JOSA 65: 1165
- Linear array modulator (P), AO 18: 3872
- Measurement of small absorptions in liquids (E), OL 4: 81
- Modulating light propagating in an optical waveguide by bulk acoustic waves (P), AO 15: 584
- Multifrequency acousto-optic diffraction processors (A), JOSA 64: 1392
- Multispectral imaging and photomicrography using tunable acousto-optic filters (A), JOSA 65: 1172
- Noncollinear acousto-optic filter (A), JOSA 64: 1392
- Noncollinear tunable acousto-optic filter (P), AO 17: 1475
- Optical Fourier analysis of acoustic fields (E), AO 14: 2184
- Optical transfer function of an acousto-optic heterodyning image processor (ET), OL 4: 317
- Optimum crystal orientation for acoustically tuned optical filters (TE), JOSA 64: 434
- Pneumatic radiation detector (P), AO 18: 3713
- Probability distribution of optical amplitude scattered from a rough object containing multiple glints (T), JOSA 67: 1269
- Rapid acoustooptic tuning of a dye laser (ET), AO 13: 1395
- Real time superresolution by means of an ultrasonic light diffractor and TV system (E), AO 13: 1318
- Real-time wavefront correction by Bragg diffraction of light by sound waves (A), JOSA 64: 561
- Real-time wavefront correction through Bragg diffraction of light by sound waves (TE), JOSA 65: 271
- Scanning acoustic microscope (A), JOSA 64: 1392
- Scattering of guided optical beams by surface acoustic waves in thin films (T), JOSA 69: 1153
- Sound-induced anomalous transmission of light through semiconducting crystals below the plasma edge (T), JOSA 68: 42
- Surface acousto-optical correlators (A), JOSA 69: 1483
- Surface wave delay line acoustooptic devices for signal processing (ET), AO 18: 2767
- Temporal response of the acoustooptic modulator: geometrical optics model in the low scattering efficiency limit (T), AO 16: 507
- Temporal response of the acoustooptic modulator: physical optics model in the low scattering efficiency limit (T), AO 17: 1507
- Temporal response of the acoustooptic modulator in the high scattering efficiency regime (T), AO 18: 903
- Thermal detuning effects in a standing wave acoustooptic modulator (ET), AO 17: 1824
- Time-integrating acousto-optic correlator (A), JOSA 65: 1178
- Time integrating acoustooptic correlator (E), AO 15: 89
- TIR acousto-optic surface-wave modulator (A), JOSA 66: 385
- Tolerance to the phase-matching condition for the integrated acoustooptic filter (T), AO 13: 1867
- Tunable acousto-optical filter operation at 10  $\mu$ m (A), JOSA 68: 1449
- Tunable acousto-optical filters with apodized acoustical excitation (A), JOSA 68: 1449
- Two-dimensional plane wave theory of strong acousto-optic interaction in isotropic media (T), JOSA 69: 678
- Variable bandshapes in birefringent acousto-optical diffraction in LiNbO<sub>3</sub> (A), JOSA 66: 1094
- Visualization of traveling acoustic fields (E), AO 14: 1549
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- Wide-band frequency-modulation system using optical techniques (ET), AO 18: 1249
- ## Actinides
- See also Spectroscopy, atomic
- Correlation of isotope shifts with  $\psi(0)^2$  for actinide configurations (T), JOSA 67: 1314
- Systematics in the relative energies of some low-lying electron configurations in the gaseous atoms and free ions of the lanthanide and actinide series (TE), JOSA 64: 687
- ## Active optics
- See Adaptive optics
- ## Adaptive optics
- See also Phase conjugation
- Active autofocusing using an apertured Gaussian beam (TE), AO 15: 2095
- Active laser resonator control techniques (T) (L), AO 17: 1671
- Actuator requirements for active optical components (A), JOSA 66: 1137
- Adaptive control theory applied to active optics (A), JOSA 65: 1213
- Adaptive estimation of phase distortions in adaptive optics, JOSA 67: 1367



- Adaptive laser resonator (A), JOSA 68: 1368
- Adaptive laser resonator (E), OL 2: 61
- Adaptive Optics and Short Wavelength Sources. Edited by Stephen F. Jacobs, Murray Sargent III, and Marian O. Scully (B), Reviewed by Schmutz, L. E., AO 18: 1473
- Adaptive optics—closed-loop estimation and predictive control considerations (U) (A), JOSA 66: 392
- Adaptive optics topical issue, JOSA 67: 422
- All-optical phase estimation system for high resolution adaptive phase compensation (A), JOSA 68: 1385
- Analysis of adaptive optical elements made from piezoelectric bimorphs (T), JOSA 69: 181
- Analytical, experimental, and computer-simulation results on the interactive effects of speckle with multidither adaptive optics systems (TE), JOSA 67: 333
- Application of phase retrieval techniques to adaptive imaging systems (A), JOSA 67: 1422
- Application of phase retrieval techniques to adaptive imaging systems. II (A), JOSA 68: 1386
- Applications of adaptive optical techniques to figure control of large telescopes (A), JOSA 66: 391
- Atmospheric turbulence compensation using coherent optical adaptive techniques (E), AO 15: 622
- Automatic speckle cancellation techniques (ASPECT) (A), JOSA 68: 1385
- Bandwidth specification for adaptive optics systems (T), JOSA 67: 390
- Bimorph piezoelectric flexible mirror (TE), JOSA 69: 478
- Characteristics of multidither COAT systems employing continuous-surface deformable mirrors (A), JOSA 66: 392
- Closed-loop beam clean-up experiments using an image plane chopping wavefront error sensor (A), JOSA 68: 1385
- COAT compensation for turbulence and thermal blooming with realistic complex targets (A), JOSA 65: 1212
- Coherent optical adaptive processor (A), JOSA 66: 1130
- Coherent optical adaptive techniques: design and performance of an 18-element visible multidither COAT system (E), AO 15: 611
- Coherent optical extrapolation of two-dimensional bandlimited signals (A), JOSA 69: 1467
- Compensation for channel dispersion by nonlinear optical phase conjugation (T), OL 4: 52
- Computer-aided deformable-mirror system using differential angle control (E), AO 17: 3945
- Computer simulation of isoplanatic effects on image phase conjugate laser adaptive control systems (A), JOSA 66: 391
- Construction and calibration of phase perturbation plates in photoresist (A), JOSA 66: 1065
- Correction of phase aberrations via stimulated Brillouin scattering (E), OL 2: 4
- Correction of secondary intensity maxima in a hill climbing, multidither, adaptive optical system (A), JOSA 69: 1465
- Deformable-mirror adaptive optical system (E), JOSA 67: 325
- Degenerate four-wave mixing in plasmas (T), OL 4: 363
- Development of a high-power cooled metal mirror with active figure control (A), JOSA 66: 391
- Effect of finite bandwidth on far-field performance of modal wavefront—compensative systems (T), JOSA 69: 819
- Effects of signal detuning on phase conjugation (T), OL 4: 366
- Effects of speckle in adaptive optical systems (E), JOSA 66: 1261
- Efficiency of some correction systems (T), OL 4: 15
- Efficient wavefront sensor for compensated imaging (A), JOSA 65: 1211
- Equivalent thin lens model for thermal blooming compensation (T), AO 17: 2575
- Estimation and control in multidither adaptive optics (T), JOSA 67: 350
- Estimation and optimization in adaptive optics (A), JOSA 68: 1398
- Experimental observations of thermal-blooming compensation using a deformable mirror system (A), JOSA 65: 1212
- Experimental test of an infrared phase conjugation adaptive array (E), JOSA 67: 269
- Experiments with an infrared multidither deformable mirror COAT system (A), JOSA 68: 1368
- Experiments with an IR multidither deformable-mirror COAT system (ET), AO 18: 3057
- First observatory results with an image-sharpening telescope (E), JOSA 67: 304
- Four-wave sum mixing in beryllium around hydrogen Lyman- $\alpha$  (E), OL 4: 360
- Glint tracking using adaptive optical techniques (A), JOSA 66: 391
- High-efficiency pulsed 10.6- $\mu$ m phase-conjugate reflection via degenerate four-wave mixing (E), OL 3: 82
- High-speed deformable mirrors for wavefront correction (A), JOSA 65: 1212
- High-speed deformable mirror systems (A), JOSA 68: 1368
- Image chopping techniques for fast measurement of irradiance distribution parameters (T), AO 18: 389
- Image contrast theory of electronic focus (T), JOSA 68: 1309
- Influence of laser speckle on COAT systems (A), JOSA 66: 180
- Infrared phase conjugate reflection and amplification in inverted CO<sub>2</sub> (A), JOSA 69: 372
- Initial evaluation of performance of adaptive optical systems with extended dynamic targets (T), JOSA 67: 345
- Isoplanatic degradation of tilt correction and short-term imaging systems (A), JOSA 69: 1466
- Lead-angle effects in turbulence-compensating reciprocity tracking systems (T) (L), AO 17: 165
- Least-squares fitting a wave-front distortion estimate to an array of phase-difference measurements (T), JOSA 67: 370
- Limits of phase compensation for turbulence (A), JOSA 65: 1212
- Matrix formulation of the reconstruction of phase values from phase differences (T), JOSA 69: 393
- Measurement of the size of the isoplanatic patch using a phase-correcting telescope (E), JOSA 69: 84
- Membrane mirror as an adaptive optical element (ET), JOSA 67: 399
- Method for adjusting the radius of curvature of a spherical mirror (P), AO 18: 4005
- Minimizing atmospheric dispersion effects in compensated imaging (T), JOSA 67: 407
- Mirror misfigure and compensatory misfigure effects on performance of annular resonators (A), JOSA 69: 1466
- Modal compensation of atmospheric turbulence phase distortion (T), JOSA 68: 78
- Modal wave-front control system (A), JOSA 66: 391
- Modal wave-front estimation from phase derivative measurements (T), JOSA 69: 972
- Modal wave-front measurement and control by moments sensing in the far field (A), JOSA 69: 1465
- Multidither principle in adaptive optics (T), JOSA 67: 306
- Multiple-pulse thermal blooming and phase compensation (E), JOSA 67: 298
- Mutual coherence function of a wave front corrected by zonal adaptive optics (T), JOSA 69: 549
- Operation of a multidither COAT system with a continuous-surface deformable mirror (A), JOSA 66: 392
- Optical distortion in nonlinear phase conjugation by three-wave mixing (TE), JOSA 69: 968
- Optical imaging using aperture synthesis (T), JOSA 69: 187
- Optical resolution through a turbulent medium with adaptive phase compensations, JOSA 67: 383
- Optical wavefront correction in real time (A), JOSA 65: 1212
- Optimal wave-front estimation, JOSA 67: 378
- Optimum performance of lateral shear interferometer for active wavefront compensation (A), JOSA 65: 1211
- Phase-compensated optical beam propagation through atmospheric turbulence (T), AO 17: 2580
- Phase conjugate adaptive optics using perimeter phase measurement (T), JOSA 67: 278
- Phase-conjugate wavefront generation via real-time holography in Bi<sub>12</sub>SiO<sub>20</sub> crystals (E), OL 4: 21
- Phase conjugation at 10.6  $\mu$ m by resonantly enhanced degenerate four-wave mixing (A), JOSA 69: 372
- Phase conjugation by fourwave mixing in molecular gases (A), JOSA 69: 372
- Phase-contrast measurements for wave-front sensing applications (A), JOSA 69: 1466
- Phase estimates from slope-type wave-front sensors (T) (L), JOSA 68: 139
- Polarization reference imaging systems. 2: Computer simulation studies (T), AO 15: 1411
- Postprocessing of imagery from active optics (A), JOSA 66: 175
- Postprocessing of imagery from active optics: some pitfalls (T), AO 16: 175
- Properties of phase conjugate adaptive optical systems (T), JOSA 67: 290
- Properties of phase-conjugate COAT (A), JOSA 65: 1212
- Real-time atmospheric compensation (E), JOSA 67: 360
- Resonant phase-conjugate reflection and amplification at 10.6  $\mu$ m in inverted CO<sub>2</sub> (E), OL 4: 140
- Results on the effect of turbulence on phase-compensated systems (T), JOSA 66: 730
- Retroreflective arrays as approximate phase conjugators (ET), OL 4: 190
- Second moment of the diffraction point spread function as an image quality criterion (T) (L), JOSA 69: 1311
- Seeing limit can resolve the isoplanatic patch (A), JOSA 65: 1213
- Sensor system for detecting wavefront distortion in a return beam of light (P), AO 18: 3341
- Shared apertures in tracking turbulence-induced wave-front tilt errors (A), JOSA 66: 392
- Sharpness index and its application to focus control (TE), AO 15: 877
- Simple closed-loop system for real-time optical phase measurement (TE), OL 4: 131
- Space-variant processing using temporal holography (A), JOSA 69: 1467
- Spatial correlation of phase-expansion coefficients for propagation through atmospheric turbulence (T), JOSA 69: 712
- Stability of an N-loop ensemble-reference phase control system (T), JOSA 67: 315
- Statistics of stellar speckle patterns (E), AO 17: 3779
- System model analysis of electro-optical systems (A), JOSA 69: 1466
- Theoretical aspects of thermal blooming compensation (T), JOSA 67: 1569
- Theory of multidither adaptive optical systems operating with zonal control of deformable mirrors (T), JOSA 67: 318
- Thermal-blooming compensation: experimental observations using a deformable-mirror system (E), AO 15: 990
- Thermal-blooming compensation using the CLASP system (E), AO 17: 2909
- Thermal blooming compensation with adaptive optics (E), OL 2: 7
- Thermal blooming in axial pipe flow (T) (L), AO 18: 2728
- Thermally induced errors in diffractive beam sampling (A), JOSA 69: 1405
- Tracking systems requirements for atmospheric steering compensation (T), AO 14: 2750
- Tracking turbulence-induced tilt errors with shared and adjacent apertures (T), JOSA 67: 282
- Transfer function characterization of deformable mirrors (A), JOSA 67: 1367
- Turbulence-degraded beam quality: improvement obtained with a tilt-correcting aperture (T), AO 16: 665
- Undersampling errors in measuring the moments of images aberrated by turbulence (T), AO 18: 3064
- Use of an ac heterodyne lateral shear interferometer with real-time wavefront correction systems (T), AO 14: 2622
- Wave-front analyzer using a maximum likelihood algorithm (T), JOSA 67: 396
- Wavefront compensation error due to finite corrector-element size (A), JOSA 65: 1211
- Wave-front compensation error due to finite corrector-element size (T), JOSA 67: 393
- Wave-front distortion sensing for control of an adaptive optics system (A), JOSA 66: 391
- Wave-front-error compensation with pseudo-conjugation techniques (A), JOSA 69: 1466

Wave-front reconstruction for compensated imaging (T), JOSA 67: 375

## Aerosols

See also Atmospheric optics, Particles

- Absorption coefficient of atmospheric dust and other strongly absorbing powders: an improvement on the method of measurement (TE) (L), AO 14: 2813
- Absorption efficiencies for large spherical particles: a new approximation (T) (L), AO 17: 3861
- Aerosol distributions in maritime air and predicted scattering coefficients in the infrared (T), AO 16: 654
- Aerosol droplet size and concentration from simple transmittance measurements (TE), AO 15: 2454
- Aerosol measurements in the marine boundary layer at San Diego (A), JOSA 68: 540
- Aerosol measurements since 1973 for normal and volcanic stratospheres (E) (L), AO 15: 1113
- Aerosol measurements workshop, University of Florida, 24-26 Mar 1976 (M), Reported by Harris, Franklin S., Jr., AO 16: 1462
- Aerosol measurement techniques (A), JOSA 67: 257
- Aerosol particle characterization using both scattering and extinction measurements (A), JOSA 68: 1358
- Aerosol particles: remarks on the optical properties (ET), AO 16: 2651
- Aerosol propagation under limited visibility conditions: field validation (A), JOSA 68: 541
- Aerosol property discrimination through sky polarization measurements (A), JOSA 67: 260
- Aerosols and the total atmospheric mutual coherence function (A), JOSA 68: 541
- Aerosols in the atmosphere: their origin and role in heterogeneous processes (A), JOSA 67: 257
- Aerosol size distributions over the North Atlantic and the Mediterranean (A), JOSA 67: 1370
- Aerosol size distributions: remote determination from air-borne measurements of the solar aureole (ET), AO 15: 980
- Aerosol-size spectrum analysis using relaxation-time measurement (A), JOSA 64: 1399
- Aerosol sizing by laser Doppler relaxation-time measurement (A), JOSA 66: 382
- Aerosol sizing by optical means (A), JOSA 66: 382
- Aerosol tropospheric-stratospheric exchange (A), JOSA 67: 256
- Airborne measurements of particle size distribution light scattering, and turbidity at different altitudes (A), JOSA 67: 256
- Air pollution light for naked eye detection of individual submicron sized particles (P), AO 13: 976
- Altitude profiles of atmospheric aerosols obtained with the epsilon/AFGL balloon-borne sizing spectrometer (A), JOSA 67: 256
- Analysis and modeling of dust obscuration effects on electro-optical systems (A), JOSA 69: 1398
- Analytical inversions in remote sensing of particle size distributions. 1: Multispectral extinctions in the anomalous diffraction approximation (T) (L), AO 17: 1675
- Analytical inversions in remote sensing of particle size distributions. 2: Angular and spectral scattering in diffraction approximations (T) (L), AO 17: 1677
- Analytical inversions in remote sensing of particle size distributions. 3: Angular and spectral scattering in the Rayleigh-Gans-Born approximation for particles of various geometrical shapes (T), AO 18: 126
- Analytical modeling of aerosol size distributions (A), JOSA 67: 259
- Analytic modeling of aerosol size distributions (A), JOSA 67: 1370
- Angular distribution of fluorescence from small particles with plane and evanescent wave excitations (A), JOSA 68: 1452
- Apparatus for measuring aerosol particles (P), AO 14: 2550
- Apparent atmospheric transmission using the pyrheliometric ratioing technique (T) (L), AO 18: 2530

- Application of directly measured aerosol radiative properties to climate models (A), JOSA 67: 260
- Application of directly measured aerosol radiative properties to climate models (A), JOSA 67: 260
- Application of Raman scattering to the characterization of atmospheric aerosol particles (A), JOSA 67: 258
- Application of satellite image analysis to transport and deposition studies of dust storm aerosol (A), JOSA 67: 258
- Approximate determination of aerosol size distributions (A), JOSA 67: 259
- Atmospheric aerosol distribution measurements for visible and IR transmission analysis (A), JOSA 66: 1087
- Atmospheric aerosol effect on Dobson total ozone measurements: a simple approach (T) (L), AO 18: 3361
- Atmospheric aerosols and their optical properties (A), JOSA 67: 256
- Atmospheric Aerosols. By S. Twomey (B), Reviewed by Harris, Franklin S., Jr., AO 17: 1158
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- Atmospheric extinction between 0.55  $\mu$ m and 10.6  $\mu$ m due to soil-derived aerosols (T), AO 16: 2414
- Atmospheric extinction measurements of a He-Ne laser (E), AO 17: 285
- Atmospheric scattering corrections to solar radiometry (T), AO 18: 1941
- Atmospheric turbidity and the circumsolar radiation (T), AO 16: 341
- Atmospheric turbidity over the northern equatorial Atlantic during the summer of 1974: impact of north African aerosols (A), JOSA 67: 256
- Automated multiwavelength sunphotometer and its use in aerosol/climatic studies (A), JOSA 68: 1358
- Carbon aerosol visibility vs particle size distribution (T), AO 17: 2612
- Chemical characterization of aerosols by light scattering (A), JOSA 67: 258
- Christiansen effect in IR spectra of soil-derived atmospheric dusts (TE), AO 18: 3610
- Circumsolar radiation as a measure of the turbidity of the atmosphere. Part 2 (TE), AO 13: 1477
- Circumsolar sky radiation and turbidity of the atmosphere (TE), AO 13: 474
- Coastal aerosol measurements (A), JOSA 67: 256
- Comparison of airborne lidar results with a physical model of stratospheric aerosols (A), JOSA 67: 256
- Comparison of extinction and backscattering coefficients for measured and analytic stratospheric aerosol size distributions (A), JOSA 67: 257
- Comparison of measured 3.8- $\mu$ m scattering from naturally occurring aerosols with that predicted by measured particle size statistics, AO 17: 818
- Comprehensive aerosol growth model (A), JOSA 67: 259
- Continuous measurements of the natural aerosol size distribution at rural, mountain, and maritime sites (A), JOSA 67: 256
- Coronagraphic technique to infer the nature of the Skylab particulate environment (E), AO 16: 1591
- Data from the Skylab stratospheric aerosol limb experiment (A), JOSA 67: 258
- Data inversion for spacecraft solar occultation experiments in the near IR, UV, and visible region (A), JOSA 67: 259
- Deduction of aerosol concentrations from 1.06- $\mu$ m lidar measurements (TE), AO 17: 3763
- Detection of airborne particles using optical extinction measurements (ET), AO 13: 1913
- Detection of atmospheric aerosol flow using a transit-time lidar velocimeter (ET), AO 15: 2891
- Determination of aerosol characteristics by the photographic solar aureole isophote (PSAI) method (A), JOSA 67: 1370
- Determination of aerosol size distributions from spectral optical depth measurements (A), JOSA 67: 256
- Determination of moments of the size distribution function in scattering by polydispersions (T) (L), AO 15: 2610
- Determination of moments of the size distribution function in scattering by polydispersions: a comment (TE) (L), AO 17: 3516
- Determination of the complex refractive index of aerosol particles from bistatic lidar and solar radiometer measurements (A), JOSA 67: 259
- Differential spectrophone measurements of the absorption of laser energy by atmospheric dust (E) (L), AO 14: 2564
- Dominance of tropospheric sulfate in modifying solar radiation (A), JOSA 67: 257
- Doppler shift spectrometer for measurement of particle size distributions (A), JOSA 67: 258
- Dustsonde and lidar measurements of stratospheric aerosols: a comparison (E), AO 13: 2416
- Economical multispectral sun photometer for measurements of aerosol extinction from 0.44  $\mu$ m to 1.6  $\mu$ m and precipitable water (E) (L), AO 13: 1732
- Effect of horizontal Rayleigh air mass models on evaluation of stratospheric aerosol optical depth remote sensing measurements from earth orbit (A), JOSA 67: 259
- Effect of multiple scattering on the point-spread functions and modulation-transfer functions of the aerosol atmosphere in the problems of space-meteorological photography (T), OL 4: 158
- Effects of aerosol microphysical processes on visible/infrared laser beam propagation through aerosols (A), JOSA 69: 1413
- Effects of aerosol particles on visibility, atmospheric pollution, radiation budget, and climate (A), JOSA 67: 260
- Effects of atmospheric propagation on mean optical irradiance of a LED (A), JOSA 68: 541
- Efficient single-scatter model for atmospheric optical propagation (A), JOSA 68: 1357
- Electromagnetic scattering and absorption by thin walled dielectric cylinders with application to ice crystals (T), AO 16: 2979
- Experimental measurements of atmospheric aerosol inhomogeneities (A), JOSA 68: 540
- Experimental measurements of atmospheric aerosol inhomogeneities (E), OL 2: 166
- Extension of atmospheric light scattering measurements into the UV region (TE) (L), AO 18: 1281
- Extinction of IR wavelengths by aerosols in coastal fog (ET) (L), AO 17: 2138
- Extinction of IR wavelengths by aerosols in coastal fog (errata), AO 17: 3339
- Extinction-sedimentation inversion technique for measuring size distribution of artificial fogs (ET), AO 17: 374
- Feasibility of atmospheric aerosol measurements with lidar from Space Shuttle (A), JOSA 67: 259
- Fine particles symposium, University of Minnesota, 28-30 May 1975 (M), Reported by Jaenicke, R., AO 14: 2784
- Fixed-angle three-wavelength nephelometer for balloon use (A), JOSA 66: 1088
- Flow tracing fidelity of scattering aerosol in laser Doppler velocimetry (ET), AO 14: 894
- Forwardscattering corrections for optical extinction measurements in aerosol media. 1: Monodispersions (T), AO 17: 2900
- Forwardscattering corrections for optical extinction measurements in aerosol media. 2: Polydispersions, AO 17: 3169
- Fourier representation of the energy distribution of an electromagnetic field scattered by spherical particles (T), AO 14: 2486
- Gas phase chemistry in the Ames stratospheric aerosol model (A), JOSA 67: 259
- Gesellschaft fuer Aerosolforschung, Jahreskongress 1974, Aerosols in natural science, medicine, and technology, Bad Soden, 16-19 Oct 1974 (M), Reported by Harris, Franklin S., Jr., AO 14: 2557
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- Hole-boring in clouds by high-intensity laser beams (T), AO 16: 2974
- Identification of the optically absorbing component in urban aerosols (E) (L), AO 17: 3859
- Image dissector for size and position of statically suspended particles (ET), AO 18: 3602
- Imaginary index of refraction and size distributions for atmospheric aerosols (A), JOSA 67: 257



- Improved accuracy of spectral aerosol optical depth measurements: Inference of total ozone (A), JOSA 67: 258
- Influence of aerosol particles on thermal properties of the upper atmosphere (A), JOSA 67: 260
- Influence of airborne particles (aerosols) on the earth's radiation balance (A), JOSA 67: 260
- Influence of measured reflection properties of vegetated surfaces on atmospheric radiance and its polarization (T), AO 17: 260
- Influence of the complex index of refraction on the volume extinction, scattering, and absorption coefficient of particle size distributions (A), JOSA 68: 540
- Infrared emissivity of single water droplets (L), AO 18: 4065
- Infrared extinction of tropospheric aerosols: Effluents from a coal-fired powerplant (A), JOSA 67: 257
- Infrared extinction spectra of some common liquid aerosols (ET), AO 16: 1598
- In situ* imaginary refractive index measurements of quartz dust with a CO<sub>2</sub> laser spectrophone (A), JOSA 67: 257
- In situ* measurements of aerosol absorption with a resonant cw laser spectrophone (ET) (L), AO 16: 1762
- In situ* photometric observations of optical scattering properties of atmospheric aerosols (A), JOSA 65: 1174
- In situ* photometric observations of angular scattering from atmospheric aerosols (E), AO 15: 2520
- Intensity distribution properties of a Gaussian laser beam focus (T), AO 17: 3496
- Interaction of TEA CO<sub>2</sub> laser radiation with aerosol particles (E), AO 15: 2917
- Inversion of multispectral extinction data: the anomalous diffraction approximation (A), JOSA 67: 260
- Inversion of optical scattering and spectral extinction measurements to recover aerosol size spectra (T), AO 18: 988
- Inversion of stratospheric aerosol and gaseous constituents from spacecraft solar extinction data in the 0.38–1.0- $\mu$ m wavelength region (T), AO 18: 1404
- Investigation of structure and dynamics of aerosol inhomogeneities in the ground layer of the atmosphere (E), AO 16: 2231
- Laser Applications to Atmospheric Sciences: a Bibliography: NASA CR 2536. By Franklin S. Harris, Jr. (B). Reviewed by Silverman, Shirleigh, AO 15: 847
- Laser beam broadening in aerosol media (A), JOSA 67: 260
- Laser beam broadening in aerosol media (A), JOSA 67: 260
- Laser-beam-hygroscopic-aerosol interactions (A), JOSA 65: 1202
- Laser technique for simultaneous particle-size and -velocity measurements (T), OL 3: 19
- Light scattering as a measure of aerosol concentration (A), JOSA 67: 259
- Light scattering by tenuous particles: a generalization of the Rayleigh-Gans-Rocard approach (T), AO 15: 2932
- Limitations in using atmospheric models for laser transmission estimates (TE) (L), AO 13: 2193
- Lorenz-Mie scattering for a mixture of two aerosol size distributions (A), JOSA 64: 540
- Low-altitude environmental aerosol measurements with an airborne particle morphokinometer (A), JOSA 67: 258
- Mass absorption indices of various types of natural aerosol particles in the infrared, AO 14: 2851
- Measured and analytic size distributions of stratospheric aerosols: a review and commentary (A), JOSA 67: 256
- Measurement of the absorption coefficient of atmospheric dust (ET), AO 13: 1923
- Measurement of the infrared optical properties of aerosols (A), JOSA 68: 1358
- Measurements of the infrared properties of aerosols (A), JOSA 67: 258
- Meteorological influence on aerosol extinction in the 0.2–40- $\mu$ m wavelength range (T), AO 18: 3457
- Methodology for error analysis and simulation of lidar aerosol measurements (T), AO 18: 3783
- Modeling of coagulation-sedimentation effects on transmission of visible/IR laser beams in aerosol media (T), AO 18: 3918
- Model of the stratospheric sulfate aerosol (A), JOSA 67: 259
- Monitoring of tropospheric aerosol optical properties by lidar (A), JOSA 67: 258
- Multiple scattered radiation emerging from Rayleigh and continental haze layers. 1: Radiance, polarization, and neutral points (T), AO 15: 632
- Multiple scattered radiation emerging from Rayleigh and continental haze layers. 2: Ellipticity and direction of polarization (T), AO 15: 1003
- Multisensor investigation of long-path aerosol scattering in a seashore environment (A), JOSA 68: 541
- Occurrence of dust over selected geographical areas (A), JOSA 67: 256
- Opacity of black smoke: calculated variation with particle size and refractive index (T), AO 18: 1399
- Optical constants for a meteoric dust aerosol model (A), JOSA 67: 257
- Optical constants of liquid methane in the infrared (E), JOSA 68: 186
- Optical particle sizing for *in situ* measurements. Part 1 (T), AO 18: 1632
- Optical particle sizing for *in situ* measurements. Part 2 (E), AO 18: 1646
- Optical properties of cigarette smoke aerosols (E) (L), AO 17: 3030
- Optical scattering per unit mass of single particles (T) (L), AO 14: 269
- Optical studies of smoke aerosols: an inversion method and its applications (ET), OL 4: 411
- Optical transmission in the atmosphere over the ocean (A), JOSA 68: 1366
- Optimization of response functions of light scattering instruments for size evaluation of aerosol particles (TE), AO 18: 705
- Optoacoustic measurement of optical absorption in acetylene smoke (TE), JOSA 69: 1699
- Performance of differential-scatter (DISC) lidar systems (A), JOSA 67: 257
- Photoacoustic investigation of urban aerosol particles (E) (L), AO 18: 2528
- Photographic aureole measurements and the validity of aerosol single scattering (ET), AO 15: 2457
- Photographic coronagraph, Skylab particulate experiment T025 (E), AO 16: 993
- Point visibility meter: a forward scatter instrument for the measurement of aerosol extinction coefficient (ET), AO 14: 2151
- Polarization and scattering by nonspherical aerosols (A), JOSA 67: 257
- Polarized light scattered from monodisperse randomly oriented nonspherical aerosol particles: measurements (E), AO 15: 384
- Portable cell for simultaneously measuring the coefficients of light scattering and extinction for ambient aerosols (E), AO 18: 1009
- Practical upper limits of the optical extinction coefficients of aerosols (TE), AO 18: 1372
- Propagation of the mutual coherence function for an infinite plane wave through a turbid medium (T), OL 1: 104
- Real-time particle sizing: increasing the capability of the instantaneous scattered intensity-ratio technique (T) (L), AO 14: 1767
- Recent developments in nephelometers (A), JOSA 67: 258
- Recent measurements of marine aerosols (A), JOSA 65: 1201
- Refractive index of atmospheric particulate matter: an *in situ* method for determination (T) (L), AO 13: 731
- Relation between absorption coefficient and imaginary index of atmospheric aerosol constituents (T), AO 18: 1368
- Relations between aerosol characteristics at sea and meteorological phenomena (A), JOSA 67: 257
- Relationship between particle size and imaginary refractive index in atmospheric dust (E) (L), AO 16: 2628
- Remote detection of atmospheric aerosols using lidar (A), JOSA 67: 1370
- Response calculations for light-scattering aerosol particle counters (T), AO 14: 734
- Retrievability of aerosol size distribution parameters from remote sensing experiments (A), JOSA 67: 260
- Retrieval of aerosol size distributions by inversion of simulated aureole data in the presence of multiple scattering (T), AO 18: 1776
- Satellite measurement of mass of Sahara dust in the atmosphere (TE), AO 15: 2471
- Satellite solar occultation measurements, SAM II and SAGE (A), JOSA 67: 258
- Scattering by tenuous aerosols (A), JOSA 67: 257
- Scattering from a polydispersion of tumbled spheroids (A), JOSA 67: 257
- Scattering of light by dielectric particles: a statistical theory (T), JOSA 69: 1554
- Scattering of ultraviolet radiation by aerosols in the lower atmosphere (A), JOSA 67: 259
- Sensitivity of zenith twilight polarization to stratospheric aerosol particle concentration (A), JOSA 67: 260
- Single and multiple scattering contributions to circumsolar radiation (T), AO 17: 3794
- Single-particle correlation techniques for remote measurement of wind speed: aerosol condition and measurement rate (TE), JOSA 69: 455
- Spatial concentration of particulates from rocket exhaust ground clouds (A), JOSA 67: 256
- Spectral extinction measurements of urban hazes (A), JOSA 69: 1399
- Spectral radiative flux divergence and its variability in the troposphere in the 0.4–2.4- $\mu$  region (E), AO 13: 478
- Spectrophone measurements of infrared laser energy absorption by atmospheric dust (A), JOSA 66: 1088
- Spectrophone measurements of infrared laser energy absorption by atmospheric dust (E), AO 15: 2546
- Spectrophone measurements of the absorption of visible light by aerosols in the atmosphere (E), OL 1: 70
- Spectrophone measurements of the absorption of visible light by aerosols in the atmosphere (E), OL 1: 70
- Spectrophone measurements of the absorption of visible light by aerosols in the atmosphere (E), OL 1: 70
- Spherical particle populations: approximate analytic relationship between size distribution parameters and integral optical properties (T), AO 15: 1178
- Steady-state one-dimensional model of the stratospheric aerosol (A), JOSA 67: 259
- Stratospheric aerosol parameters for the Fuego volcanic incursion (ET) (L), AO 14: 1262
- Stratospheric aerosols and climatic change (A), JOSA 67: 260
- Sulfuric acid gas phase concentration in the stratosphere (A), JOSA 67: 259
- Sulfuric acid in KBr pellet spectroscopy (E) (L), AO 18: 2353
- Temporal and spatial frequency spectra for atmospheric aerosols (A), JOSA 67: 259
- Tethered balloon-based measurements of aerosol concentration and meteorological parameters (A), JOSA 67: 256
- Trend of twilight color ratios and converted lidar data of the Fuego dust cloud (A), JOSA 67: 256
- Uncertainties in particle-size distributions measured with ratiotype single-particle counters (A), JOSA 66: 382
- Use of polar nephelometer measurements in determining aerosol optical properties (A), JOSA 67: 258
- Use of prevailing visibility data for aerosol studies (A), JOSA 67: 257
- Visibility dependence on scaling laws relating aerosol extinctions at different optical wavelengths (A), JOSA 68: 540
- What property of a haze is determined by light scattering? 2: Nonuniform particles of arbitrary shape (T), AO 15: 2464
- What we know about aerosols and what we would like to know (A), JOSA 66: 1083
- Worldwide data on reduced visibility due to airborne dust (E) (L), JOSA 67: 1689

## Airglow

See Atmospheric optics

## Air pollution

See Pollution

## Alignment

- Aligning the angle sensor for detecting the angular jitter of high-energy laser beam (A), JOSA 64: 1377
- Alignment of microcircuit chips using optically smeared images (A), JOSA 68: 1377
- Alignment technique for unstable resonators (E) (L), AO 13: 2461



Apparatus for guiding a rotating moving body (P), AO 18: 3804  
 Apparatus for regulating the position of a laser light source transmitting a light beam (P), AO 15: 833  
 Autocollimator and receiver (P), AO 15: 1347  
 Automatic laser boresighting (P), AO 18: 3818  
 Automatic target alignment for the Helios laser system (A), JOSA 68: 1426  
 Azimuthal alignment in ellipsometry (E) (L), AO 14: 806  
 Beam alignment technique using linear arrays (A), JOSA 69: 1405  
 Beam deviation errors in ellipsometric measurements; an analysis (E), AO 13: 1938  
 Coaxial alignment of laser beams for perturbation experiments (E), AO 13: 1639  
 Composite x-ray pinholes for time-resolved microphotography of laser compressed targets (E), AO 16: 1253  
 Direct measurement of the accuracy of CO<sub>2</sub> laser alignment on target (E), AO 17: 3809  
 Electron gun optical adjustment apparatus (P), AO 18: 3341  
 Electrooptical focus and alignment (L), AO 14: 1051  
 Electrooptical Fourier vernier device (P), AO 16: 538  
 High precision alignment procedure for an ellipsometer (E), AO 13: 1115  
 Image stabilizing optical system (P), AO 16: 13  
 Instant spectroscopy in the visible, ultraviolet, and vacuum ultraviolet with Polaroid film (E) (L), AO 14: 2821  
 Interferometer system for measuring straightness and roll (P), AO 13: 9A26  
 Interferometric testing, optical alignment, and system performance of a unique twelve channel 360° visual display (A), JOSA 68: 1416  
 Internal laser mirror alignment fixture (P), AO 18: 3937  
 Laser beam attitude control device (P), AO 13: 977  
 Laser interferometric displacement-measuring system for noncontact positioning of a sphere on a rotation axis through its center and for measuring the spherical contour (ET), AO 18: 2881  
 Measurement of alignment accuracy for laser fusion experiments (E) (L), AO 17: 1160  
 Optical boresight analysis (A), JOSA 69: 1457  
 Optical system (P), AO 15: 1345  
 Optical patterns for alignment (T), AO 13: 659  
 Precision laser beam deflection detector (P), AO 16: 2027  
 Signal distortion due to beam-pointing error in a chopper modulated laser system (ET), AO 17: 289  
 Theory of alignment monitoring by diffraction from superimposed dual gratings (T), JOSA 68: 1716  
 Thermal pinhole detector for beam alignment of LASL eight-beam CO<sub>2</sub> laser system, helios (A), JOSA 68: 1441  
 Tilting a field in an optical system (P), AO 16: 13  
 Versatile electrooptic alignment system for field applications (ET), AO 13: 937

## Aluminum

Analysis of the spectrum of quadruply ionized aluminum (Al V) (TE), JOSA 64: 1063  
 Chemiexcitation transfer to high-lying Rydberg levels of Al (ET) (L), JOSA 66: 75  
 Configurations of quadruply ionized aluminum (Al V),  $2p^4$ ,  $4f$ ,  $5f$ , and  $5g$  (E), JOSA 65: 1399  
 Direct observation of population inversion between Al<sup>11</sup> levels in a laser-produced plasma (A), JOSA 68: 551  
 Effect of UV irradiation on the reflectance of silicon-oxide-protected aluminum in the far UV (E) (L), AO 17: 3031  
 Extension of the analysis of triply ionized aluminum (Al IV) (E), JOSA 65: 594  
 Extreme ultraviolet reflection efficiencies of diamond-turned aluminum, polished nickel, and evaporated gold surfaces, AO 17: 3309  
 High-temperature emissivities of copper, aluminum, and silver (E), JOSA 67: 32  
 Low-temperature emissivities of copper and aluminum (E), JOSA 67: 39  
 Measurement of the lowest S-state lifetime at Al, Ga, In, and Tl (E), JOSA 67: 491  
 Metal-clad planar dielectric waveguide for integrated optics (T), JOSA 64: 274  
 Optical constants from the far infrared to the x-ray region: Mg, Al, Cu, Ag, Au, Bi, C, and Al<sub>2</sub>O<sub>3</sub> (E) (L), JOSA 65: 742

Optical constants of bulk and thin-film aluminum at 6328 (E), JOSA 65: 792  
 Optical properties of aggregated gold on aluminum, AO 18: 3119  
 Quantum-defect analysis of the effects of  $np^2$  terms on the singlet terms of alkaline earths and of their isoelectronic sequences (T), JOSA 64: 706  
 Revised analysis of the  $2p^53s$ ,  $3p$ ,  $3d$ , and  $4s$  configurations of triply ionized aluminum (Al IV) (ET), JOSA 64: 197  
 Spectrum and energy levels of singly ionized aluminum (Al II) (E), JOSA 69: 232  
 Spectrum of Al VII in the VUV (E), JOSA 65: 197  
 Total hemispherical emissivities of copper, aluminum, and silver (A), JOSA 67: 251  
 Total hemispherical emissivities of copper, aluminum, and silver (E), AO 16: 2810

## Ammonia

Carbon dioxide laser absorption coefficients for determining ambient levels of O<sub>3</sub>, NH<sub>3</sub>, and C<sub>2</sub>H<sub>4</sub> (E), AO 13: 2850  
 Far-infrared high-resolution Fourier transform spectrometer: applications to H<sub>2</sub>O, NH<sub>3</sub>, and NO<sub>2</sub> lines (E), AO 15: 708  
 Long-path monitoring: advanced instrumentation with a tunable diode laser (E) (L), AO 15: 1653  
 Measurements of NH<sub>3</sub> absorption coefficients with a <sup>13</sup>C<sup>16</sup>O<sub>2</sub> laser (ET), AO 14: 2229  
 Optical constants of solid ammonia in the infrared (E), JOSA 65: 432  
 Ultraviolet optical constants of water and ammonia ices (ET), JOSA 65: 919

## Amplifiers

Double pass laser amplifiers (ET) (L), AO 13: 2183  
 Parasitic suppression in large aperture Nd:glass disk laser amplifiers (T), AO 13: 2808  
 Radiant energy optical detector amplifier (P), AO 13: 2440

## Anemometry

See also Velocimetry, laser Doppler  
 Removal of pedestals and directional ambiguity of optical anemometer signals, AO 13: 2562

## Antimony

Radiative lifetimes in As I and Sb I (E) (L), JOSA 64: 891

## Apertures

See also Synthetic apertures  
 Annular apertures for angular tracking (T), AO 16: 2438  
 Annular apertures with high obstruction (T) (L), AO 13: 22  
 Annular apertures with high obstruction: reply to comment (T) (L), AO 13: 2774  
 Annular apertures with high obstruction: comment (T) (L), AO 13: 2774  
 Annular lens soft aperture for high power laser systems (T) (L), AO 15: 1379  
 Annular lens soft aperture for high power laser systems: comments (T) (L), AO 16: 1482  
 Annular lens soft aperture for high power laser systems: reply to comments (T) (L), AO 16: 1484  
 Apodized aperture using frustrated total reflection (E) (L), AO 14: 2810  
 Apodized optical system (P), AO 16: 1814  
 Degrees of freedom of images from point-like-element pupils (T), JOSA 64: 453  
 Diffraction from a sequence of apertures and disks, JOSA 65: 1451  
 Digital deconvolution of a coded image obtained with a nonredundant pinhole array (ET), AO 16: 1260  
 Edge diffraction of a convergent wave (TE), AO 14: 608  
 Electromagnetic field scattering by a triangular aperture (T), AO 18: 823  
 Encircled energy for obscured aperture (A), JOSA 64: 1357  
 Image sharpness, Fourier optics, and redundant-spacing interferometry (T) (L), JOSA 67: 1122  
 Imaging performance of annular apertures (TE), AO 13: 1820  
 Included power for obscured circular pupils (T), AO 17: 964

Interchangeable objective for camera to provide diaphragm control (P), AO 18: 3271  
 Optical transforms of rough edges and gaps (A), JOSA 68: 1362  
 Photographic shutters: better pictures with a reconsideration of shutter efficiency (TE), AO 16: 1914  
 Properties of the shadow cast by a half-screen when illuminated by a Gaussian beam (T), JOSA 69: 1503  
 Resolution of multiple circular apertures located on a circle (A), JOSA 69: 1459  
 Tomographical imaging using uniformly redundant arrays (E), AO 18: 1052  
 Total illumination in an aberration free annular aperture (T) (L), AO 13: 736  
 Uniformly redundant array imaging of laser driven compressions: preliminary results (E) (L), AO 18: 945

## Apertures, coded

Coded aperture imaging (L), AO 13: 5  
 Coded aperture imaging: predicted performance of uniformly redundant arrays (T), AO 17: 3562  
 Optical computing conference, international, Zurich, 9-11 Apr 1974 (M), Reported by Casasent, David, AO 13: 2450  
 Quantum noise in Fresnel zone plate imaging (T), AO 13: 1100  
 Resolution of a real-time coded aperture imaging system (A), JOSA 68: 1363

## Apertures, synthetic

Optical aperture synthesis (P), AO 13: 9A26  
 Synthetic-aperture optical-radar techniques (A), JOSA 64: 541  
 Synthetic-aperture radar and multiplex spectroscopy (T) (L), JOSA 64: 402  
 Synthetic-aperture radar and multiplex spectroscopy (L), JOSA 64: 1343

## Apodization

Apodization and image contrast (T) (L), AO 18: 955  
 Apodization and image contrast (T): comment (L), AO 18: 3886  
 Apodization filtering applied to a bandlimited optical Fourier transformer (ET), AO 15: 690  
 Apodization for maximum encircled-energy ratio and specified Sparrow limit of resolution for coherent illumination (T) (L), JOSA 66: 1052  
 Apodization for maximum Strehl criterion and specified Sparrow limit of resolution for incoherent illumination (T), JOSA 65: 1292  
 Apodization for maximum Strehl criterion and specified Sparrow limit of resolution for coherent illumination (T), JOSA 67: 553  
 Apodization for maximum Strehl ratio and specified Rayleigh limit of resolution (T), JOSA 67: 1027  
 Apodization for maximum Strehl ratio and specified Rayleigh limit of resolution. II. (T), JOSA 69: 1526  
 Apodization with specified over-all transmittance and specified Sparrow limit of resolution for coherent illumination (A), JOSA 64: 1404  
 Apodization with specified over-all transmittance (T), JOSA 64: 969  
 Apodized aperture using frustrated total reflection (E) (L), AO 14: 2810  
 Apodized optical system (P), AO 16: 1814  
 Application of a sunburst aperture to diffraction suppression (T), JOSA 64: 978  
 Bandlimiting effects in an optical Laplace transform computer (ET), AO 14: 2207  
 Effects of small rotationally symmetrical aberrations on the irradiance spread function of a system with Gaussian apodization over the pupil (T) (L), JOSA 65: 1520  
 Far-field illumination of targets by annular apertures (T), JOSA 65: 1300  
 Filtering for image reconstruction from projections (T), JOSA 67: 662  
 Imaging with noncentrally obscured circular pupils (T), JOSA 68: 742  
 Imaging with obscured pupils (T), OL 1: 128  
 New apodizing functions for Fourier spectrometry (T), JOSA 66: 259  
 New apodizing functions for Fourier spectrometry (errata), JOSA 67: 419

Performance of optimum apodizers in presence of small aberrations (A), JOSA 65: 1225  
 Quadratic apodization: a technique for minimizing intensity-induced aberrations in high-power lasers (A), JOSA 65: 1208

## Apollo

See also Space entries  
 Pseudo color densitometer analysis—the Apollo 17/Saturn V exhaust plume (E) (cover, Oct), AO 13: 2197

## Archimedes

Archimedes's burning glass (L), AO 13: 452  
 Archimedes's burning glass (L), AO 13: 2A14  
 Archimedes's burning glass (L), AO 13: 2A16  
 More on that burning glass of Archimedes (L), AO 13: 5A14

## Arcs

Acoustical resonances in modulated compact arc lamps (TE) (L), AO 16: 819  
 Application of a simple differential interferometer to high current arc discharges (E) (L), AO 13: 1749  
 Argon miniarcs as a secondary standard of VUV spectral radiance (A), JOSA 66: 1097  
 Electron density, temperature, and local thermodynamic equilibrium in low-voltage low-current break arcs: magnesium (ET), JOSA 67: 1235  
 Optically stabilized power supply for mercury arc lamp far IR sources (L), AO 15: 308  
 Spectra of alkali metal vapor and noble gas flashtubes (E), JOSA 68: 62  
 Splicing silica fibers with an electric arc (E), AO 15: 796  
 Temperature of the Meggers-Corliss-Scribner copper arc (ET), JOSA 65: 315  
 Vacuum ultraviolet radiation scales: an accurate comparison between plasma blackbody lines and synchrotron radiation (E), AO 16: 2477  
 Vacuum ultraviolet radiometry. 3: The argon mini-arc as a new secondary standard of spectral radiance (E), AO 16: 367  
 Vacuum ultraviolet radiometry with hydrogen arcs. 2: The high power arc as an absolute standard of spectral radiance from 124 nm to 360 nm (E), AO 14: 2121

## Argon

Argon lines from electrodeless mercury-198 lamps (E) (L), AO 17: 506  
 Beam-foil studies of ionized argon in the vacuum UV (A), JOSA 67: 1383  
 Characteristics of an opto-galvanic effect in cesium and other gas discharge plasmas (E), JOSA 68: 352  
 Continued-factorization method for optical dispersion (T), JOSA 64: 1582  
 Energy levels of  $1s^2 2s^2 2p^k$  configurations in the C I and N I sequences in S, Cl, Ar, K, Ca (E) (L), JOSA 64: 397  
 Grotrian charts for atoms and ions of rare gases (ET) (L), JOSA 64: 396  
 Interferometric analyses of Ne II and Ar II spectral lines from a hollow-cathode discharge (ET), JOSA 64: 186  
 Interferometric observations of Ar I in the photographic region (ET), JOSA 64: 1072  
 Pulsed high-pressure lamp for the vacuum ultraviolet (E), JOSA 64: 1175  
 Transition probabilities in the spectra of Ne I, Ar I, and Kr I (T), JOSA 66: 245  
 Two-component model of an atomic-beam light source (ET), JOSA 64: 884

## Arsenic

Radiative lifetimes in As I and Sb I (E) (L), JOSA 64: 891

## Aspherics

Aberrations of ellipsoidal reflectors for unit magnification (T), AO 13: 2931  
 Aplanatic optical system containing two aspheric surfaces (T), AO 18: 2187  
 Aspherical surface polishing with a ring polisher (ET), AO 18: 559  
 Aspheric grating for extreme ultraviolet astronomy (T), AO 17: 1252  
 Aspheric profile gauging using a bootstrap data interpretation technique (E), AO 18: 1064

Computer generated holograms for testing aspheric lenses (E), AO 15: 546  
 Convenient expression for aspheric departure of conics (A), JOSA 68: 1452  
 Depletion optimization and photon efficiency in laser isotope separation of deuterium (T), AO 17: 785  
 Design program for aspheric null corrector for conic mirrors (A), JOSA 69: 1419  
 Fabrication of aspherics using a mathematical model for material removal (ET), AO 13: 1683  
 Fabrication of small nonsymmetric aspheric surfaces (A), JOSA 68: 1444  
 Fabrication of small nonsymmetrical aspheric surfaces (E), AO 18: 1244  
 Geometrical design for aspheric reflecting systems (T), AO 18: 4182  
 Go, no-go Ronchi template for aspheric mirrors (A), JOSA 64: 558  
 Grinding patterns for aspheric lenses calculated by pocket computer (N), AO 18: 3601  
 Holographic and shearing interferometer for routine optical testing including aspherics (A), JOSA 68: 1416  
 Interferometric testing with computer-generated holograms: aberration balancing method and error analysis (TE), AO 17: 558  
 Large-size distortion-free computer-generated holograms in photorealist (E) (L), AO 16: 2014  
 Making a convex aspheric (N), AO 14: 803  
 Making a steep, radically aspheric lens both concave and convex (L), AO 16: 1122  
 Measurement of steep aspheric surfaces (E), AO 17: 553  
 Null Ronchi test for aspherical surfaces (TE), AO 13: 1778  
 Null Ronchi test for aspherical surfaces: comment (E) (L), AO 14: 279  
 Null Ronchi test for aspherical surfaces: reply to comment (E) (L), AO 14: 279  
 Null tests for eccentric sections of aspheric mirrors (A), JOSA 68: 1417  
 Optical design with nonrotationally symmetrical aspheres (A), JOSA 68: 1452  
 Optically figuring a Schmidt-Cassegrain system (E) (L), AO 18: 608  
 Optical Surfaces: Aspherical Optical Systems, X-Ray Optics, Reflecting Microscopes, Reflectors, Measurements. By Bohumil Jurek (B), Reviewed by Schulz, Guenter, AO 16: 2337  
 Performance of a holographic and shearing interferometer (A), JOSA 68: 1416  
 Procedure for null testing sections of aspheric surfaces (A), JOSA 69: 1418  
 Quantitative test for concave aspheric surfaces using a Babinet compensator (ET), AO 18: 2897  
 Quantitative test for concave aspheric surfaces using a Babinet compensator: comments (E) (L), AO 18: 4066  
 Realization of a bi-aspherical objective lens for the Philips Video Long Play system (E), OL 4: 70  
 Refractive null correctors for aspheric surfaces (A), JOSA 66: 1113  
 Refractive null correctors for aspheric surfaces (R), AO 15: 3080  
 Setup and procedure for mapping changes in a large aspheric mirror (A), JOSA 68: 1417  
 Specular aspheric surface to obtain a specified irradiance from discrete or continuous line source radiation: design (T), AO 14: 1279  
 Stigmatic performance of an XUV spectrograph with a single toroidal grating (T), AO 18: 3948  
 Technique for defining the asphericity of a spherical surface and interferogram analysis (A), JOSA 68: 1416  
 Testing and fabrication of biaspherics (A), JOSA 69: 1419  
 Testing of commercial aspheres with computer-generated holography (A), JOSA 65: 1216  
 Uniform polishing of convex aspheres with an elastic lap (TE), AO 14: 2274

## Astronomy

See also specific instruments or topics  
 Aberrations of a facet-type transmission grating for cosmic x-ray and XUV spectroscopy (T), AO 17: 2304  
 A discipline in which only the sky is the limit (N), AO 16: 2348  
 Airborne infrared astronomical observations by Fourier transform spectroscopy (ER), AO 17: 1352

All-reflecting Baker-Schmidt flat-field telescopes (T), AO 17: 141  
 American Astronomical Society 142nd meeting, Univ. Nebraska, 26-29 Mar 1974 (M), Reported by Bohlin, Ralph, AO 13: 1538  
 Amplitude interferometry for high-angular-resolution astronomy (A), JOSA 65: 1199  
 Analysis of interferometric data for the multiple-mirror telescope optics (A), JOSA 66: 1116  
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 Aplanatic two-mirror telescopes: a systematic study. 1: Cassegrainian configuration (T), AO 13: 2064  
 Aspheric grating for extreme ultraviolet astronomy (T), AO 17: 1252  
 Asteroid renamed to honor CFA's Payne-Gaposchkin (N), AO 17: 2254  
 Astronomical applications of the synthetic aperture telescope (SAT) (A), JOSA 69: 1455  
 Astronomical Calendar 1979. By Guy Ottewill (B), Reviewed by Howard, John N., AO 18: 1129  
 Astronomical Fourier spectrometer (E), AO 14: 2067  
 Astronomical holography through the turbulent atmosphere (A), JOSA 66: 175  
 Astronomical monochromatic imaging as applied to the Io sodium cloud (E), AO 17: 3117  
 Astronomical speckle imaging (A), JOSA 65: 1196  
 Astronomic survey apparatus and method (P), AO 14: 1456  
 Astronomy, The Evolving Universe. By Michael Zeilik (B), Reviewed by Howard, John N., AO 16: 2339  
 Atmospheric water vapor at South Pole (E) (L), AO 16: 2041  
 Atmosphere lens of the Grace Flandrau Planatorium (A), JOSA 66: 1113  
 Balloon-borne ultraviolet stellar echelle spectrograph (E), AO 17: 604  
 Berkeley Archives achieves depth and breadth, inside back cover (15 Jan) (N), AO 18: 252  
 Binary star speckle interferometry (A), JOSA 66: 1077  
 Black hole explosion evidence sought in solar facility tests (N), AO 18: A266  
 Black Holes. Edited by C. DeWitt and B. S. DeWitt (B), Reviewed by Chen, Kwan-Yu, JOSA 64: 1151  
 Black Holes, Quasars, and the Universe. By Harry L. Shipman (B), Reviewed by Howard, John N., AO 16: 2779  
 Changes in the atmospheric-lens modulation transfer function used for calibration in solar speckle interferometry (TE), JOSA 68: 1063  
 Compact infrared heat trap field optics (ET), AO 17: 1107  
 Cores in star images (A), JOSA 66: 635  
 Correlation between angle-of-arrival fluctuations on the entrance pupil of a solar telescope (ET), JOSA 67: 1065  
 Correlation between angle-of-arrival fluctuations in the entrance pupil of a solar telescope (errata), JOSA 68: 277  
 Current status of the sciences that come under the heading: "astronomy" (N), AO 17: 2415  
 Developments at JPL in the application of digital image processing techniques to astronomical images (A), JOSA 66: 174  
 Directory of physics & astronomy staff members 1977-1978 (N), AO 17: 1578



- Direct, quasi-telescopic, and telecentric combinations of interference filters with large astronomical Schmidt cameras (E), AO 17: 1271
- Effect of diffraction in multiple-grid telescopes for x-ray astronomy (T), JOSA 68: 1708
- Effects of the atmosphere in stellar speckle interferometry (A), JOSA 66: 181
- Einfluss der Szintillation auf den Faktor  $k$  der Sonnenfleckenrelativzahl (E), AO 14: 395
- Energy dependence of the transfer function in stellar speckle interferometry in the poor seeing limit (A), JOSA 67: 1390
- Experimental verification of the inertial model of atmospheric turbulence from solar limb motion (E), JOSA 68: 1056
- Exploration of the outer solar system by means of Fourier spectroscopy (A), JOSA 66: 1081
- Fabrication and performance of the Berkeley extreme-ultraviolet stellar spectrometer (A), JOSA 68: 1430
- Fabrication of transmission gratings for use in cosmic x-ray and XUV astronomy (E), AO 18: 3502
- Far-flung collectors pick up super radiation sources (N), AO 18: A200
- Fire Came By. By John Baxter and Thomas Atkins (B), Reviewed by Howard, John N., AO 16: 3065
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- Focusing crystal polarimeter designed for x-ray polarimetry: construction and performance (E), AO 14: 1727
- Fourier-transform spectroscopy in astronomy (A), JOSA 64: 1357 (four abstracts)
- Fundamental limitations of stellar speckle interferometry (A), JOSA 66: 181
- Giant mirror of Birr (L), AO 17: 678
- Heat trap: an optimized far infrared field optics system (E), AO 15: 53
- High-dispersion astronomical spectroscopy with holographic and ruled diffraction gratings (E), AO 17: 404
- High resolution Fabry-Perot spectrometer for infrared astronomy (E), AO 18: 641
- High resolution Michelson interferometer for airborne infrared astronomical observations. 1: Concept and performance (E), AO 16: 1834
- High resolution Michelson interferometer for airborne infrared astronomical observations. 2: System design (E), AO 16: 1841
- Illustrated History of the Martians (A), JOSA 68: 1393
- Image data-processing system for solar astronomy (R), AO 16: 944
- Image processing in radio astronomy (A), JOSA 66: 171
- Image retrieval from astronomical speckle patterns (TE), JOSA 66: 1236
- Imaging in astronomy: OSA topical meeting, Cambridge, 18-21 Jun 1975 (M), Reported by Wyant, James C., AO 14: 2322
- Imaging properties of Wolter I type x-ray telescopes (T), AO 16: 764
- Influence of exposure time on spectral properties of turbulence-degraded astronomical images (TE), JOSA 65: 664
- Infrared Fourier spectrometer for laboratory use and for astronomical studies from aircraft and ground-based telescopes (E), AO 14: 2085
- Infrared upconversion for astronomical applications (TE), AO 15: 961
- Instrumentation in astronomy, 2nd SPIE seminar on, Tucson, 4-6 Mar 1974 (M), Reported by Robinson, W. G., AO 13: 1263
- Instrument for the monochromatic observation of all sky auroral images (E), AO 16: 1691
- Intensity Interferometer. Its Application to Astronomy. By R. Hanbury Brown (B), Reviewed by Shostak, G. Seth, AO 14: 2312
- Intensity Interferometer: Its Application to Astronomy. By R. Hanbury Brown (B), Reviewed by Young, Andrew T., JOSA 65: 1385
- Interference in astronomical speckle patterns (T), JOSA 66: 1240
- Interferometer-grating spectrograph for high resolution astronomical spectroscopy in the middle UV (E), AO 17: 2119
- Interferometric star tracking (T), AO 13: 414
- Interferometric technique for the reduction of scattered light (A), JOSA 66: 1089
- Interferometrie in Radioastronomie und Radartechnik. By R. Wohlleben und R. Mattes (B), Reviewed by Silverman, Shirleigh, AO 14: 2804
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- Isoplanicity: the translation invariance of the atmospheric Green's function (T), JOSA 65: 1321
- Johnson noise limited operation of photovoltaic InSb detectors (ET), AO 14: 450
- Jupiter has ethane and acetylene (N), AO 13: 8A14
- Kitt Peak 60-cm vacuum telescope (E), AO 15: 33
- Laboratory simulation of stellar speckle interferometry (E), AO 18: 828
- Lens structure for giant refractor telescopes (T) (L), AO 15: 1655
- Light Scattering in Planetary Atmospheres. By V. V. Sobolev (B), Reviewed by Smith, Gerald R., JOSA 66: 744
- Line shifts due to blending (T), JOSA 68: 246
- Long-baseline optical interferometer for astronomy (E), JOSA 67: 81
- L'Univers Objectif; Theorie Unitaire. Par Jean Loiseau (B), Reviewed by Danos, Michael, AO 16: 6
- Mariner 10 (N), AO 14: A200
- Mean vertical profile of atmospheric turbulence relevant for astronomical seeing (E), JOSA 66: 1380
- Measurement of atmospheric speckle isoplanicity (A), JOSA 66: 1077
- Measurement of averaged squared modulus of atmospheric-lens modulation transfer function (ET), JOSA 64: 1129
- Measurement of stray radiance in the high altitude observatory's Skylab coronagraph (E), AO 16: 931
- Measurement of the amplitude of phase excursions in the earth's atmosphere (ET) (L), JOSA 66: 143
- Measurement of the amplitude of phase excursions in the earth's atmosphere (ET) (errata), JOSA 66: 981
- Measurement of the size of the isoplanatic patch using a phase-correcting telescope (E), JOSA 69: 84
- Measurements of the atmospheric attenuation of the spectral components of astronomical images (ET), JOSA 66: 478
- Measurements of the isoplanatic angle using speckle interferometry (A), JOSA 66: 1077
- Measuring the size of stars: the next step? (A), JOSA 68: 1419
- Method for obtaining a flat field with Rosin-Amon tilted plate correctors (T) (L), AO 13: 242
- Midinfrared spectra of planetary surface minerals (A), JOSA 66: 1081
- Moderate resolution VUV rocket spectrograph (E), AO 13: 193
- Multiple Mirror Telescope sighting supports Einstein's theory (N), AO 18: 2896
- Multi-telescope systems for optical astronomy (A), JOSA 65: 1191
- Mutual coherence function in radio astronomy (T), JOSA 69: 554
- National Science Foundation has assumed responsibility for operation of Sacramento Peak Observatory in New Mexico (N), AO 15: 960
- Nature of the Physical Universe. Edited by Douglas Huff and Omer Prewett (B), Reviewed by Lovell, D. J., AO 18: 2826
- Near infrared astronomical light collector (E), AO 16: 1817
- Noise considerations in stellar speckle interferometry (T), JOSA 67: 1176
- Numerical image manipulation and display in solar astronomy (TE), AO 16: 938
- Obtaining information through the atmosphere at the diffraction limit of a large aperture (T), JOSA 65: 755
- Optical imaging using aperture synthesis (T), JOSA 69: 187
- Optical Properties of Inhomogeneous Materials: Application to Geology, Astronomy, Chemistry, and Engineering. By Walter C. Egan and Theodore W. Hilgeman (B), Reviewed by Aronson, James R., AO 18: 4084
- Orbital Motion. By A. E. Roy (B), Reviewed by Roemer, Elizabeth, AO 18: 1129
- Origins of Life—Planetary Astronomy. Edited by L. Margulis (B), Reviewed by Wilson, L., AO 13: 1531
- Performance of a silicon vidicon at low signal levels (E), AO 15: 3105
- Performance of image-plane sharpness criteria in image reconstruction (T), JOSA 68: 890
- Photometer calibration problem for extended astronomical sources (E) (L), AO 14: 1491
- Photometer calibration problem for extended astronomical sources: comments (ET) (L), AO 15: 2620
- Plasma resonance in granular deposits of iron and interstellar dust (E) (L), AO 17: 3521
- Polarization, Fourier spectrometer for astronomy (E), AO 13: 1147
- Practical stellar amplitude interferometer (A), JOSA 65: 1199
- Processing stellar speckle interferometry data (T), JOSA 68: 1271
- Progress in far-infrared and submillimeter astronomy (A), JOSA 67: 1430
- Progress in Optics, Vol. 15. Edited by Emil Wolf (B), Reviewed by Franken, Peter; Gaskill, Jack D.; Sargent, Murray, III; Seraphin, Bernhard O.; Shoemaker, Richard L.; Wyant, James C., AO 18: 3078
- Progress in Optics, Vol. 15. Edited by Emil Wolf (B), Reviewed by Young, Matt, JOSA 69: 371
- Properties of a transmission grating behind a grazing incidence telescope for cosmic x-ray spectroscopy (T), AO 16: 1425
- Radiance calibration of the high altitude observatory white-light coronagraph on Skylab (E), AO 16: 926
- Recent advances in astronomical optics: comments on (T) (L), AO 13: 22
- Reconstructed images of Alpha Orionis using stellar speckle interferometry (A), JOSA 66: 181
- Reconstructed images of Alpha Orionis using stellar speckle interferometry (E), JOSA 66: 1243
- Reconstruction of an object from the modulus of its Fourier transform (TE), OL 3: 27
- Reconstruction of turbulence-degraded images using nonredundant aperture arrays (T), JOSA 68: 883
- Reflectivity of gold coated surfaces in the soft x-ray range (ET), AO 17: 621
- Removal of seeing and instrumental blur effects from astronomical scanner observations (TE), AO 13: 2947
- Rendezvous with Halley's Comet? (N), AO 17: 777
- Restoring with maximum entropy. III. Poisson sources and backgrounds (TE), JOSA 68: 93
- Retroreflection from rough surfaces (T), JOSA 68: 1225
- Russell, Henry Norris, In Memory of (N), AO 17: 2761
- Rutherford, Lewis Morris, 1816-1892, AO 15: 1731
- Scanning Kirkpatrick-Baez x-ray telescope to maximize effective area and eliminate spurious images; design (T), AO 14: 537
- Seeing effects removal in a Michelson stellar interferometer (T), JOSA 66: 1347
- Seeing stars (N), AO 17: 160
- Self-scanned photodiode array: high performance operation in high dispersion astronomical spectrophotometry (E), AO 17: 574
- Sensitive far UV spectrograph with a multispectral element microchannel plate detector for rocket-borne astronomy (E), AO 15: 3123
- Sensitivity limits of an infrared heterodyne spectrometer for astrophysical applications (T), AO 15: 427
- Sensitivity limits of an infrared heterodyne spectrometer for astrophysical applications (errata), AO 16: 2793
- Sextant with digital readout and night viewing capability (P), AO 14: 1457
- Shearing interferometer as an interferometric filter for the reduction of scattered light (TE), AO 16: 195
- Silicon diode array vidicons at the telescope: observational experience, AO 14: 1437
- Simultaneous optical and x-ray imaging telescopes (T) (L), AO 16: 2039
- Single electron counting by self-scanning diode array in a Kron camera (E), AO 16: 2698
- SIT vidicon with magnetic intensifier for astronomical use (E), AO 14: 1429



- Skylab ultraviolet stellar astronomy experiment 5019 (E), AO 16: 973
- Slides, prints, posters of galaxies, nebulae, celestial objects (N), AO 16: 1674
- Slow scan SEC vidicon system (E), AO 16: 237
- Slow-scan television system (E), AO 15: 2264
- Solar energy collector and concentrator (P), AO 18: 3521
- Solar magnetograph employing integrated diode arrays (E), AO 15: 40
- Solar Output and its Variation. Edited by O. R. White (B), Reviewed by Pasachoff, Jay M., AO 17: 3513
- Space reflectors for radar and astronomy (TE), AO 14: 626
- Space telescope to beam x-rays photos, inside front cover (15 Jan) (N), AO 18: A12
- Spatially multiplexed infrared camera (TE), JOSA 65: 707
- Speckle interferometry lens-atmosphere MTF measurements (E), JOSA 66: 1252
- Speckle interferometry measurements of atmospheric nonisoplanicity using double stars (E), JOSA 68: 338
- Speckle interferometry on the 2.5 m Isaac Newton telescope (A), JOSA 66: 181
- Speckle interferometry on the 2.5 m Isaac Newton telescope (ET), JOSA 66: 1247
- Speckle interferometry with severely aberrated telescopes (E) (L), JOSA 67: 1277
- Spectral properties of random arrays of grains (TE) (L), JOSA 68: 1781
- Spectral properties of random arrays of grains: comment (T) (L), JOSA 68: 1782
- Spectrophotometer for the investigation of short term variability in stellar spectra (E), AO 17: 1811
- Spherical lamellar grating interferometer for airborne astronomical observations of far infrared objects (E), AO 16: 233
- Star gazing (N), AO 17: A275
- Statistics of stellar speckle patterns (E), AO 17: 3779
- Stellar interferometer for figure sensing of orbiting astronomical telescopes (TE), AO 13: 1785
- Stellar magnitude determination from photographs by computer (A), JOSA 68: 1376
- Stigmatic performance of an XUV spectrograph with a single toroidal grating (T), AO 18: 3948
- Stratospheric Astronomy. By Vladimir Alekseevich Krat and Leonard Markovich Kotlyar (B), Reviewed by Robinson, Clark S., AO 17: 2470
- Study of comets, IAU colloquium 25, NASA Goddard Space Flight Center, 28 Oct-1 Nov 1974 (M), Reported by A'Hearn, Michael F., AO 14: 256
- Ten-color Gegenschein—zodiacal light photometer (E), AO 16: 978
- Transmission grating efficiencies for wavelengths between 5.4 Å and 44.8 Å (E), AO 18: 368
- Transmission grating efficiencies in the 50–250-Å range (E) (L), AO 18: 2906
- Two-dimensional white light coherence interferometer (E) (L), AO 13: 2760
- Ultraviolet three-channel photographic photometer: the S183 experiment (E), AO 16: 961
- Universe 20 billion years old? (N), AO 16: 1758
- University of Hawaii programs (N), AO 17: 2657
- URSULA: a twin-beam multiband computer-controlled photometer for astronomical applications (E), AO 17: 435
- Use of the moon and the large space telescope as an extrasolar-planet detection system (A), JOSA 64: 531
- Versatile nebular insect-eye Fabry-Perot spectrograph (E), AO 14: 465
- Very-long-baseline astronomy—continuum radiation sources (A), JOSA 64: 522
- Very-long-baseline interferometer applications to earth and planetary sciences (A), JOSA 64: 522
- Very-long-baseline interferometer astronomy—molecular line radiation sources (A), JOSA 64: 522
- Vesta asteroid's diameter measured (N), AO 16: 2413
- Wide-field filter camera (E), AO 17: 442
- World's largest operational infrared telescope, Jelm Mountain, Wyoming (N), AO 17: 3124

## Astrophysics

See also Astronomy

- Annual Review of Astronomy and Astrophysics, Volume 12. Edited by Geoffrey R. Burbidge, David Layzer, and John G. Phillips (B), Reviewed by Pierce, A. Keith, JOSA 65: 469
- Annual Review of Astronomy and Astrophysics, Volume 13. Edited by Geoffrey R. Burbidge, David Layzer, and John G. Phillips (B), Reviewed by Pierce, A. Keith, JOSA 66: 504
- Astrophysical Formulae: A Compendium for the Physicist. By Kenneth R. Lang (B), Reviewed by Kumar, C. Krishna, AO 15: 560
- Atomic Physics and Astrophysics—Volume 2. Edited by M. Chretien and E. Lipworth (B), Reviewed by Howard, J. C., JOSA 64: 1728
- Electromagnetic modes of an inhomogeneous sphere (T), JOSA 65: 399
- High Energy Astrophysics and its Relation to Elementary Particle Physics. Edited by Kenneth Brecher and Giancarlo Setti (B), Reviewed by Strittmatter, Peter A., JOSA 66: 398
- Methods of Experimental Physics, Volume 12: Astrophysics, Part A: Optical and Infrared. Edited by N. Carleton (B), Reviewed by Yoshinaga, Hiroshi, AO 14: 1238
- Progress in the sources for history of modern astrophysics project (N), AO 17: 2990
- Submillimeter-wave atmospheric and astrophysical spectroscopy (R), AO 14: 470

## ASW

See Acoustic surface waves

## Atmospheres

- Aerosols in the atmosphere: their origin and role in heterogeneous processes (A), JOSA 67: 257
- Aerosol tropospheric-stratospheric exchange (A), JOSA 67: 256
- Aircraft observations of the infrared emission of the atmosphere in the 700–2800-cm<sup>-1</sup> region (ET), AO 13: 1466
- American Meteorological Society conference on the upper atmosphere, Atlanta, 30 Sep-4 Oct 1974 (M), Reported by Aikin, Arthur C., AO 14: 259
- Atmosphere of Venus. Edited by James E. Hansen (B), Reviewed by Howard, John N., AO 15: A160
- Atmospheric aerosols and their optical properties (A), JOSA 67: 256
- Atmospheric extinction between 0.55 μm and 10.6 μm due to soil-derived aerosols (T), AO 16: 2414
- Atmospheric gas absorption at DF laser wavelengths (ET), AO 13: 2855
- Atmospheric spectroscopy: an introduction (M), Reported by Hernandez, G.; Mankin, William G., AO 18: 3375
- Atmospheric transmittance of an absorbing gas: a computationally fast and accurate transmittance model for absorbing gases with constant mixing ratios in inhomogeneous atmospheres (T), AO 15: 358
- Atmospheric transmittance of an absorbing gas. 2: A computationally fast and accurate transmittance model for slant paths at different zenith angles (TE), AO 16: 1366
- Aurorally enhanced infrared emissions (E), AO 18: 3394
- Carbon dioxide absorption bands in the atmosphere of Venus (A), JOSA 64: 1391
- Channel simulation for optical communication systems (ET) (L), AO 13: 1283
- Circumsolar radiation as a measure of the turbidity of the atmosphere. Part 2 (TE), AO 13: 1477
- Circumsolar sky radiation and turbidity of the atmosphere (TE), AO 13: 474
- Comparative analysis of red-blue lidar and rawinsonde data (A), JOSA 67: 258
- Comprehensive aerosol growth model (A), JOSA 67: 259
- Determination of atmospheric transmission from photographs of the sea (A), JOSA 64: 550
- Effect of multiple scattering on the point-spread functions and modulation-transfer functions of the aerosol atmosphere in the problems of space-meteorological photography (T), OL 4: 158
- Effects of the earth's atmosphere on a spaceborne IR Doppler wind-sensing system (T), AO 18: 2645
- Estimation of atmospheric turbidity from the burned traces of the Campbell-Stokes sunshine recorder (T), AO 17: 2617
- Exploring the earth's atmosphere by photography from Skylab (ET), AO 16: 983
- Ground-based determination of atmospheric radiance for correction of ERTS-1 data (E) (L), AO 13: 2741
- Hadamard-transform spectrometry of the atmospheres of earth and Jupiter (E), AO 13: 2233
- High energy pulsed dye lasers for atmospheric sounding (E), AO 18: 287
- High-resolution interferometer for atmospheric trace molecule spectroscopy (ATMOS) (A), JOSA 68: 1390
- Holographic radio camera: experimental results on reconstruction of ionospheric irregularities (A), JOSA 67: 1435
- Improved diffusion approximation to radiative transfer in atmospheres and clouds (A), JOSA 67: 261
- Influence of aerosol particles on thermal properties of the upper atmosphere (A), JOSA 67: 260
- Information content in remote sensing (T), AO 13: 942
- Information content in remote sensing: comments (T) (L), AO 13: 2467
- Infrared absorption bands of α- and β-pinenes in the 8–14-μm atmospheric window region (E), AO 18: 3434
- Infrared radiometer for the Pioneer Venus orbiter. 1: Instrument description (E), AO 18: 3893
- Infrared spectrometer: liquid-helium-cooled rocketborne circular-variable filter (E), AO 14: 3086
- Jupiter has ethane and acetylene (N), AO 13: 8A14
- Jupiter has ethane and acetylene (errata), AO 13: 11A18
- Laboratory and atmospheric measurements of HNO<sub>3</sub> to determine the amount of this constituent in the earth's atmosphere (E), AO 18: 3400
- Laser atmospheric studies, conference, Sendai, Japan, 3-6 Sep 1974 (N), JOSA 64: 898
- Laser-beam scintillation beyond the turbulent atmosphere: a numerical computation (TE), AO 15: 2534
- Lens atmosphere MTF measurements (A), JOSA 66: 182
- Lidar measurement of temperature: a new approach (T), AO 14: 76
- Long-term uplink irradiance statistics from reciprocity (T) (L), AO 14: 805
- Low-altitude environmental aerosol measurements with an airborne particle morphokinometer (A), JOSA 67: 258
- Mathematical expressions for molecular absorption in Lowtran 3B (T), AO 17: 2591
- Measurement of  $r_0$  with speckle interferometry (TE), JOSA 68: 348
- Measurement of the amplitude of phase excursions in the earth's atmosphere (ET) (L), JOSA 66: 143
- Measurement of the amplitude of phase excursions in the earth's atmosphere (ET) (errata), JOSA 66: 981
- Multiple scattering calculation of the middle ultraviolet reaching the ground (T), AO 13: 1567
- Multiple-scattering effects of twilight color in real earth atmospheric models (A), JOSA 64: 1390
- New twilight simulations for atmospheric studies (A), JOSA 64: 1391
- Nimbus-5 ITPR experiment (E), AO 13: 499
- Observation of atmospheric parameters from satellites (A), JOSA 64: 550
- OH spectroscopy using a cw tunable laser (A), JOSA 68: 634
- Operational capabilities of meteorological satellites (A), JOSA 64: 550
- Optical Phenomena in the Atmosphere Observed from Manned Spacecraft. By Beregovoi, Buznikov, Kondratiev, Lazarev, Miroshnikov, Nikolaev, Sevastyanov, Smoktii, and Khrunov, K. Ya. Kondratiev, Ed. (B), Reviewed by Levy, Saul, AO 13: 1A18
- Photographic coronagraph, Skylab particulate experiment T025 (E), AO 16: 993
- Physics of Atmospheres. By John T. Houghton (B), Reviewed by McDaniel, Earl W., AO 17: 846
- Polarization and scattering characteristics in the atmospheres of earth, Venus, and Jupiter (TE), JOSA 69: 1051
- Polarization and scattering characteristics in the atmospheres of earth, Venus, and Jupiter (TE), JOSA 69: 1191



- Pressure sensing of the atmosphere by solar occultation using broadband CO<sub>2</sub> absorption (T), AO 18: 1950
- Propagation of high-power laser beams in the atmosphere (A), JOSA 64: 543
- Propagation of Visible and Infrared Radiation in the Atmosphere. By V. E. Zuev (B), Reviewed by Derr, Vernon E., AO 14: 1238
- Radiation in the earth's atmosphere-ocean system with ocean waves (A), JOSA 64: 1390
- Radiation in the earth's atmosphere: its radiance, polarization, and ellipticity (T), AO 15: 2489
- Radiation transfer with polarization in the earth's atmosphere (A), JOSA 64: 1389
- Radiative transfer in rural, urban, and maritime model atmospheres (A), JOSA 67: 260
- Remote sensing of the troposphere by active optical techniques (A), JOSA 64: 550
- Remote Sensing of the Troposphere. Edited by V. E. Derr (B), Reviewed by de Wolf, David A., JOSA 64: 1278
- Remote temperature sounding in the presence of cloud by zenith scanning (ET), AO 13: 1559
- Satellite observations of atmospheric water vapor (ET), AO 13: 507
- Scattered radiation from a gradient particulate atmosphere in the presence of a totally absorbing earth (TE), AO 18: 978
- Scattering-independent determination of the thermal-emission profile of a planetary atmosphere and related radiative-equilibrium considerations (T), JOSA 64: 145
- Scheduling of NCAR's aircraft for atmospheric research (N), AO 18: 388
- Scheduling of NCAR's aircraft for atmospheric research (N), AO 18: 1532
- Silicon photodiode as a detector in the rocket-borne photometry of the near infrared airglow (E), AO 15: 2902
- Simultaneous multipoint temperature measurements in turbulent atmosphere (A), JOSA 68: 539
- Sodium in laboratory atmosphere (E) (L), AO 15: 1380
- Space spangs—an error. 2 (E) (L), AO 14: A93
- Submillimeter-wave atmospheric and astrophysical spectroscopy (R), AO 14: 470
- Tethered balloon-based measurements of aerosol concentration and meteorological parameters (A), JOSA 67: 256
- Theoretical atmospheric transmission in the mid- and far-infrared at four altitudes (T), AO 15: 364
- Thermospheric dynamics investigations with very high resolution spectrometers (ET), AO 18: 3376
- Tropospheric UV flux calculations and photolysis rates for use with zonally and diurnally averaged models (T), AO 18: 3421
- Turbulence of the upper atmosphere and isoplanatism (E), AO 18: 2654
- Upper Atmospheric Studies by Optical Methods, 4th European meeting, Garmisch-Partenkirchen, 16 Aug 1976 (M), Reported by Beran, D., AO 15: 2939
- Vertical distribution of NO, NO<sub>2</sub>, and HNO<sub>3</sub> as derived from stratospheric absorption infrared spectra (ET), AO 14: 825
- Water vapor absorption spectra of the upper atmosphere (45–185 cm<sup>-1</sup>) (ET), AO 14: 2146
- Water vapor monitored in earth's atmosphere by radio telescope (N), AO 16: 1965
- What we know about aerosols and what we would like to know (A), JOSA 66: 1083
- Absorption efficiencies for large spherical particles: a new approximation (T) (L), AO 17: 3861
- Absorption of DF laser radiation by propane and butane (E) (L), AO 15: 1114
- Accuracy of the AFCRL atmospheric absorption line parameters compilation in the 10-μm atmospheric window (E) (L), AO 15: 2616
- Actinometry, Atmospheric Optics, Ozonometry. Edited by G. P. Gushchin (B), Reviewed by Condell, W. J., Jr., AO 14: 1737
- Actinometry, Atmospheric Optics, Ozonometry. Edited by G. P. Gushchin (B), Reviewed by Plass, Gilbert N., JOSA 65: 1529
- Adjacency effects on imaging by surface reflection and atmospheric scattering: cross radiance to zenith (T), AO 18: 2852
- Aerosol distributions in maritime air and predicted scattering coefficients in the infrared (T), AO 16: 654
- Aerosol droplet size and concentration from simple transmittance measurements (TE), AO 15: 2454
- Aerosol measurements since 1973 for normal and volcanic stratospheres (E) (L), AO 15: 1113
- Aerosol measurements workshop, University of Florida, 24–26 Mar 1976 (M), Reported by Harris, Franklin S., Jr., AO 16: 1462
- Aerosol propagation under limited visibility conditions: field validation (A), JOSA 68: 541
- Aerosol propagation under limited visibility conditions: theory (A), JOSA 68: 541
- Aerosol size distribution inverted from spectral solar attenuation plus scattering measurements (A), JOSA 67: 256
- Aerosol size distributions over the North Atlantic and the Mediterranean (A), JOSA 67: 1370
- Aerosol size distributions: remote determination from air-borne measurements of the solar aureole (ET), AO 15: 980
- AFGL trace gas compilation (TE) (L), AO 17: 507
- Airglow events visible to the naked eye (E), AO 18: 3390
- Altitude dependence of C<sub>n</sub><sup>2</sup> evaluation of airborne refractive index fluctuations (A), JOSA 68: 539
- Analog visibility computer (E), AO 15: 999
- Analysis for pulsed coherent lidar system performance (A), JOSA 68: 541
- Analysis of differential absorption lidar from the Space Shuttle (T), AO 17: 624
- Analysis of long-path DF laser atmospheric transmission measurements (A), JOSA 66: 1087
- Analysis of the Lowtran transmission functions (T), AO 18: 1607
- Analytical, experimental, and computer-simulation results on the interactive effects of speckle with multidither adaptive optics systems (TE), JOSA 67: 333
- Analytical inversions in remote sensing of particle size distributions. 3: Angular and spectral scattering in the Rayleigh-Gans-Born approximation for particles of various geometrical shapes (T), AO 18: 126
- Analytical inversions in remote sensing of particle size distributions. 4: Comparison of Fymat and Box-McKellar solutions in the anomalous diffraction approximation (TE), AO 18: 3595
- Analytic inversion of multispectral extinction data in the anomalous diffraction approximation (T), OL 3: 91
- Analytic theory of certain halo arcs (T), JOSA 66: 768
- Analytic theory of certain halo arcs (T) (errata), JOSA 66: 1446
- Angular scattering and rainbow formation in pendant drops (TE), JOSA 69: 1083
- Angular scattering and rainbow formation in pendant drops (TE), JOSA 69: 1195
- Angular spectrum measurements of atmospheric turbulence (ET), JOSA 67: 178
- Another Lemmon: Why the 1951 solar spectral irradiance and atmospheric extinction measurements are being repeated (A), JOSA 66: 1087
- Aperture-averaging effects for weak scintillations (ET), JOSA 64: 162
- Apparent atmospheric transmission using the pyrhemimetric ratioing technique (T) (L), AO 18: 2530
- Application of high-resolution spectroscopy to DF laser propagation (A), JOSA 65: 1201
- Application of pulsed-source spectrophone to absorption by methane at DF laser wavelengths (E) (L), AO 15: 2970
- Approximation to the Lorentzian coefficient for efficient calculation of transmittance profiles (T), AO 17: 1425
- Arcs associated with halos of unusual radii (T), JOSA 69: 1093
- Arcs of Lowitz (T), JOSA 69: 1103
- Asymptotic parameter realms and scintillation scales for extended sources in turbulence (T) (L), AO 15: 2303
- Asymptotic radiance and polarization in optically thick media: ocean and clouds (T), AO 15: 3166
- Asymptotic theory of irradiance fluctuations in a beam propagating in a random medium (T), JOSA 65: 765
- Atmospheric aerosol distribution measurements for visible and IR transmission analysis (A), JOSA 66: 1087
- Atmospheric aerosols and their optical properties (A), JOSA 67: 256
- Atmospheric Aerosols. By S. Twomey (B), Reviewed by Harris, Franklin S., Jr., AO 17: 1158
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- Atmospheric attenuation of CO<sub>2</sub> laser Doppler systems (A), JOSA 68: 540
- Atmospheric beam-wander cancellation by a fast-tracking transmitter (E) (L), JOSA 64: 1015
- Atmospheric birefringence under wind speed gradient shear (E), JOSA 68: 471
- Atmospheric corrections for airborne measurements of water surface temperature (T) (L), AO 13: 1745
- Atmospheric degradation of electrooptical system performance (T), AO 17: 3915
- Atmospheric distortions in a retroreflected laser signal (T), AO 14: 840
- Atmospheric extinction between 0.55 μm and 10.6 μm due to soil-derived aerosols (T), AO 16: 2414
- Atmospheric extinction measurements of a He-Ne laser (E), AO 17: 285
- Atmospheric imaging constraints measured with speckle interferometry (A), JOSA 67: 1390
- Atmospheric 10.6-μm absorption coefficient: dynamics (T), AO 14: 1911
- Atmospheric modeling for space measurements of ground reflectances, including bidirectional properties (T), AO 18: 3587
- Atmospheric NO<sub>2</sub> determination by 442-nm laser induced fluorescence (E), AO 14: 1418
- Atmospheric optics of infrared Doppler lidar wind measurements from space (A), JOSA 68: 1434
- Atmospheric optics, OSA Technical Group meeting, Tucson, 19 Oct 1976 (M), Reported by Rothman, L. S., AO 16: 277
- Atmospheric optics, Rochester, 11 Oct 1973 (M), Reported by Yates, Harold W., JOSA 64: 408
- Atmospheric optics technical group discussion of transmission models for the IR on the tapes maintained by the Air Force Geophysics Laboratory (A), JOSA 66: 1138
- Atmospheric optics, Washington, 25 Apr 1974 (M), Reported by Harris, Franklin S., Jr., AO 13: 1990
- Atmospheric propagation effects in laser ranging and lidar (A), JOSA 69: 1409
- Atmospheric propagation of partially coherent radiation (A), JOSA 67: 1376
- Atmospheric propagation of partially coherent radiation (T), JOSA 68: 175
- Atmospheric scattering corrections to solar radiometry (T), AO 18: 1941
- Atmospheric scattering of middle UV radiation from an internal source (T), AO 17: 3216
- Atmospheric scintillation of optical and infrared waves: a laboratory simulation (E), AO 16: 2242
- Atmospheric spectroscopy OSA topical meeting, Keystone, Colorado, 30 Aug–1 Sep 1978 (M), Reported by Warga, Mary E., JOSA 68: 1791
- Atmospheric temperature profiles from lidar measurements of rotational Raman and elastic scattering (T), AO 15: 2896
- Atmospheric transmission measurements in the U.K. at 0.63, 1.07, and 10.6 μm (A), JOSA 68: 541
- Atmospheric transmission measurements at HF and DF laser wavelengths (E) (L), AO 15: 1115

## Atmospheric optics

- See also Radiation transfer, Scattering, Turbulence, Visibility
- Absence of thermal blooming for a uniformly illuminated square-aperture high-power laser transmitter (T) (L), AO 13: 989
- Absolute calibration of aural photometers and ground-based measurements in the 3200–7500-Å spectral region (ET), AO 13: 1196
- Absorption characteristics of the γ-0 band of nitric oxide (TE), AO 17: 1290
- Absorption characteristics of the γ-0 band of nitric oxide: reply to comments (T) (L), AO 18: 419
- Absorption characteristics of the γ-0 band of nitric oxide: comments (T) (L), AO 18: 419
- Absorption coefficient of atmospheric dust and other strongly absorbing powders: an improvement on the method of measurement (TE) (L), AO 14: 2813



- Atmospheric Transmittance and Radiance: Methods of Calculation. By Anthony J. LaRocca and Robert E. Turner (B), Reviewed by Howard, John N., AO 15: A159
- Atmospheric transmittance of an absorbing gas: a computationally fast and accurate transmittance model for absorbing gases with constant mixing ratios in inhomogeneous atmospheres (T), AO 15: 358
- Atmospheric transmittance of an absorbing gas. 2: A computationally fast and accurate transmittance model for slant paths at different zenith angles (TE), AO 16: 1366
- Atmospheric transmittance of an absorbing gas. 3: A computationally fast and accurate transmittance model for absorbing gases with variable mixing ratios (ET), AO 18: 1600
- Atmospheric turbidity and the circumsolar radiation (T), AO 16: 341
- Atmospheric turbidity over the northern equatorial Atlantic during the summer of 1974: impact of north African aerosols (A), JOSA 67: 256
- Atmospheric turbulence chamber for optical transmission experiment: characterization by thermal method (E), AO 17: 3755
- Atmospheric turbulence compensation using coherent optical adaptive techniques (E), AO 15: 622
- Atmospheric turbulence effects on the phase of laser beams (ET), AO 13: 1582
- Atmospheric turbulence parameters from visual resolution (E), AO 14: 847
- Atmospheric visibility measurement by a modulated cw lidar (T), AO 15: 1823
- Atmospheric visibility measurement by a modulated cw lidar: comments (T) (L), AO 16: 1128
- Atmospheric visibility measurement by a modulated cw lidar: reply to comments (T) (L), AO 16: 1128
- Atmospheric vision 0.35  $\mu\text{m}$  is less than or approximately equal to  $\lambda$  which is less than or approximately equal to 14  $\mu\text{m}$  (T), AO 14: 404
- Atmospheric water vapor at South Pole (E) (L), AO 16: 2041
- Attenuation of 33- $\mu\text{m}$  laser radiation by atmospheric water vapor (E) (L), AO 15: 2027
- Aureole radiance field about a source in a scattering-absorbing medium (T), AO 17: 1911
- Aurorally enhanced infrared emissions (E), AO 18: 3394
- Averaged threshold receiver for direct detection of optical communications through the lognormal atmospheric channel (T), AO 16: 2669
- Averaging effect of the collecting aperture on the intensity fluctuations of an atmospherically degraded laser beam (A), JOSA 68: 539
- Backscattering cross sections for hydrometeors: measurements at 6328 Å (E), AO 17: 804
- Balloon-borne far-infrared Michelson interferometer for atmospheric emission studies (E), AO 18: 346
- Bandwidth specification for adaptive optics systems (T), JOSA 67: 390
- Beam wander in a turbulent medium: an application of Ehrenfest's theorem (T), JOSA 65: 942
- Beam wave two-frequency mutual-coherence function and pulse propagation in random media: an analytic solution (T), AO 18: 1613
- Blue-green pulsed propagation through fog (ET), AO 18: 429
- Broad spectral bandpass atmospheric dispersion correctors (A), JOSA 69: 1413
- Calculation of space-object reflected intensity using spatially resolved earth-radiance measurements (A), JOSA 65: 1174
- Calibration of infrared instruments for the remote sounding of atmospheric temperature (E), AO 16: 319
- Calibration of satellite radiation instruments, AO 16: 295
- Carbon dioxide (10.6- $\mu\text{m}$ ) atmospheric propagation enhancement due to off-line center tuning (T), AO 18: 2323
- Carbon dioxide coherent propagation through the marine boundary layer (A), JOSA 68: 541
- Changes in the atmospheric-lens modulation transfer function used for calibration in solar speckle interferometry (TE), JOSA 68: 1063
- Christiansen effect in IR spectra of soil-derived atmospheric dusts (TE), AO 18: 3610
- Circumsolar radiation as a measure of the turbidity of the atmosphere. Part 2 (TE), AO 13: 1477
- Cloud reflectance with laser beam illumination (E) (L), AO 17: 2257
- Coherence of a light beam through an optically dense turbid layer (T), AO 17: 1280
- Coherent CO<sub>2</sub> lidar attenuation measurements in rain (A), JOSA 68: 541
- Coherent optical adaptive techniques (E), AO 13: 291
- Coherent optical adaptive techniques: design and performance of an 18-element visible multidither COAT system (E), AO 15: 611
- Color of the ocean (T), AO 17: 1432
- Combined effects of atmospheric turbulence and thermal blooming on the propagation of high-power laser beams (A), JOSA 64: 1391
- Comparison between photographic and photoelectric measurements of the solar aureole almucantar radiance (E) (L), AO 17: 1977
- Comparison of calculated and experimental transmission spectra of H<sub>2</sub>O between 330 and 635 cm<sup>-1</sup> (A), JOSA 68: 1425
- Comparison of extinction and backscattering coefficients for measured and analytic stratospheric aerosol size distributions (A), JOSA 67: 257
- Comparison of measured 3.8- $\mu\text{m}$  scattering from naturally occurring aerosols with that predicted by measured particle size statistics, AO 17: 818
- Comparison of scintillometer and microthermometer measurements of C<sub>2</sub><sup>n</sup> (E), JOSA 65: 938
- Compensating for thermal blooming of repetitively pulsed lasers (A), JOSA 65: 1192
- Complex angular momentum theory of the rainbow and the glory (T), JOSA 69: 1068
- Complex angular momentum theory of the rainbow and the glory (T), JOSA 69: 1193
- Complex ice-crystal halo phenomena: sky archeology (A), JOSA 69: 1411
- Comprehensive scaling maps for thermal blooming (A), JOSA 65: 1191
- Computations concerning the actual light scattering coefficient as measured in haze and fog (T) (L), AO 18: 1706
- Computer-graphics analysis of atmospheric refraction (TE), AO 17: 3146
- Computer study of thermal blooming with free and forced convection (A), JOSA 65: 1191
- Conditional fading statistics of scintillation (E) (A), JOSA 68: 756
- Continuously tunable IR lidar with applications to remote measurements of SO<sub>2</sub> and CH<sub>4</sub> (E), AO 17: 3555
- Contrast reduction of broadband optical signals by the atmosphere, JOSA 68: 754
- Contributions of water vapor absorption lines to fluctuations of infrared absorption and refractive index in atmospheric turbulence (A), JOSA 69: 1413
- Controlled simulation of turbulence effects on optical propagation (A), JOSA 68: 1369
- Convolution algorithm for the Lorentz function (T), AO 18: 2329
- Coronagraphic technique to infer the nature of the Skylab particulate environment (E), AO 16: 1591
- Correction of laser tracking data for the effects of horizontal refractivity gradients (TE), AO 16: 2427
- Corrections for atmospheric refractivity in satellite laser ranging (TE), AO 16: 1997
- Correlation and structure functions for arbitrary optical beams in a random medium (T) (L), JOSA 68: 536
- Correlation between angle-of-arrival fluctuations on the entrance pupil of a solar telescope (ET), JOSA 67: 1065
- Correlation between angle-of-arrival fluctuations in the entrance pupil of a solar telescope (errata), JOSA 68: 277
- Data inversion for spacecraft solar occultation experiments in the near IR, UV, and visible region (A), JOSA 67: 259
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- Daytime  $\tau_0$  evaluated from vertical microthermal measurements (E), AO 16: 2419
- Deduction of aerosol concentrations from 1.06- $\mu\text{m}$  lidar measurements (TE), AO 17: 3763
- Definition weaknesses in atmospheric experiments in low visibility atmospheres (T) (L), AO 17: 3029
- Deformable-mirror adaptive optical system (E), JOSA 67: 325
- Depolarization of electromagnetic radiation scattered by nonspherical particles (T), JOSA 67: 175
- Design principles of a slant transmissometer for airport use (A), JOSA 67: 259
- Detection of atmospheric turbulent layers by spatiotemporal and spatioangular correlation measurements of stellar-light scintillation (ET), JOSA 64: 1000
- Detection of optical pulses: the effect of atmospheric scintillation (T), AO 15: 2501
- Detector nonlinearity effects on the statistics of a fluctuating signal (T), AO 17: 1286
- Determination of aerosol size distributions from spectral optical depth measurements (A), JOSA 67: 258
- Determination of moments of the size distribution function in scattering by polydispersions (T) (L), AO 15: 2610
- Determination of the atmospheric extinction coefficient by measurement of distant contrasts (E) (L), AO 17: 1303
- Determination of wave slopes from photographs of the ocean surface: a new approach (T), AO 17: 3450
- Differential-absorption lidar measurements in the oxygen A band using a ruby lidar and stimulated Raman scattering (E), OL 4: 78
- Diffraction-limited atmospheric imaging of extended objects (T), JOSA 66: 469
- Diffraction theory of optical scintillations due to turbulent layers (T), JOSA 65: 78
- Diffuse-direct ultraviolet ratios with a compact double monochromator (ET), AO 17: 827
- Diffuse reflectance of clouds: a semiempirical model (T) (L), AO 18: 1881
- Direct measurements of the model of the atmospheric turbulence (E) (L), AO 15: 1903
- Doppler and collision-broadening effects in the profile of spectral lines (T), JOSA 65: 949
- Doppler velocimeter using diffraction grating and white light (T), AO 13: 1193
- Double-scattering approximation of lidar equation for inhomogeneous atmosphere (T), OL 4: 12
- Earth laser beacon sensor for earth-oriented geosynchronous satellites (TR), AO 14: 1719
- Economical multispectral sun photometer for measurements of aerosol extinction from 0.44  $\mu\text{m}$  to 1.6  $\mu\text{m}$  and precipitable water (E) (L), AO 13: 1732
- Effect of collision narrowing on atmospheric transmittance (TE), AO 14: 56
- Effect of finite bandwidth on far-field performance of modal wavefront-compensative systems (T), JOSA 69: 819
- Effect of large eddies on beam wander (A), JOSA 64: 1390
- Effect of multiple scattering on the point-spread functions and modulation-transfer functions of the aerosol atmosphere in the problems of space-meteorological photography (T), OL 4: 158
- Effect of recording process in evaluating higher-order propagation statistics (TE) (L), JOSA 68: 1350
- Effect of source temporal coherence on light scintillations in weak turbulence (T), JOSA 69: 71
- Effect of stagnation-zone motion on multiple-pulse-laser performance (A), JOSA 65: 1192
- Effects of aerosol microphysical processes on visible/infrared laser beam propagation through aerosols (A), JOSA 69: 1413
- Effects of anisotropic multiple scattering on solar radiation in the troposphere and stratosphere (T), AO 18: 1955
- Effects of atmospheric turbulence on the laser cross-beam velocimeter (T), JOSA 64: 1005
- Effects of oxygen addition on pressure-broadened water-vapor absorption in the 10- $\mu\text{m}$  region (E), AO 17: 2724
- Effects of particulate complex refractive index and particle size distribution variations on atmospheric extinction and absorption for visible through middle IR wavelengths, AO 17: 3922
- Effects of random path fluctuations on the accuracy of laser ranging systems (T), AO 15: 2539
- Effects of temperature and humidity fluctuations on the optical refractive index in the marine boundary layer (ET), JOSA 65: 1502



- Effects of the clear, turbulent atmosphere upon optical propagation (A), JOSA 65: 1182
- Efficiency of some correction systems (T), OL 4: 15
- Efficient single-scatter model for atmospheric optical propagation (A), JOSA 68: 1357
- Einfluss der Szintillation auf den Faktor  $k$  der Sonnenfleckenrelativzahl (E), AO 14: 395
- Electromagnetic modes of an inhomogeneous sphere (T), JOSA 65: 399
- Electronic instrumentation for a high-accuracy atmospheric extinction measurement (A), JOSA 65: 1201
- Elementary derivation of phase fluctuations of an optical wave in the atmosphere (A), JOSA 66: 1061
- Enhanced focal-plane irradiance in the presence of thermal blooming (ET), AO 15: 2913
- Enhanced variance of irradiance from target glint (TE) (L), AO 18: 3211
- Equivalence of two theories of strong optical scintillation (T), JOSA 64: 1641
- Erbium laser as a remote sensor of methane (TE) (L), AO 14: 2812
- Error probability deterioration causes: effect on the confidence level of atmospheric laser links; entropy of an atmospheric path (T) (L), AO 16: 283
- Estimating the spatial concentration of certain types of air pollutants (T), JOSA 67: 668
- Estimation of atmospheric turbidity from the burned traces of the Campbell-Stokes sunshine recorder (T), AO 17: 2617
- Estimation of the refractive-index temperature structure parameter over the ocean (ET), AO 16: 334
- Evaluation of  $r_o$  for propagation down through the atmosphere (T), AO 13: 2620
- Experimental measurements of atmospheric aerosol inhomogeneities (E), OL 2: 166
- Experimental test of an infrared phase conjugation adaptive array (E), JOSA 67: 269
- Experimental verification of the inertial model of atmospheric turbulence from solar limb motion (E), JOSA 68: 1056
- Extension of atmospheric light scattering measurements into the UV region (TE) (L), AO 18: 1281
- Extinction cross sections of arbitrarily shaped randomly oriented nonspherical particles (T), JOSA 67: 1348
- Extinction of IR wavelengths by aerosols in coastal fog (ET) (L), AO 17: 2138
- Extinction of IR wavelengths by aerosols in coastal fog (errata), AO 17: 3339
- Extraction of extinction coefficients profiles from sun photometer measurements (A), JOSA 67: 260
- Extraction of total atmospheric ozone content from solar spectral irradiance data in the Huggins and Chappuis bands (A), JOSA 67: 1370
- Fast atmospheric transmittance and radiance algorithm: FASCODE (A), JOSA 68: 1424
- Fata morgana* and *fata bromosa* (A), JOSA 65: 1173
- Fine calibration of large-aperture optical scintillometers and an optical estimate of inner scale of turbulence (TE), AO 17: 3608
- First observatory results with an image-sharpening telescope (E), JOSA 67: 304
- Fluorescence ambient NO<sub>2</sub> monitor with flashlamp pumping (E), AO 16: 1359
- Focused beam and atmospheric coherence measurements at 10.6  $\mu$ m and 0.63  $\mu$ m (E), AO 13: 1906
- Focused-laser-beam scintillations in the turbulent atmosphere (T) (L), JOSA 64: 516
- Fog hole boring with pulsed high-energy lasers: an exact solution including scattering and absorption (T), AO 17: 3424
- Fog measurements for optical transmission prediction (A), JOSA 68: 1358
- Fog penetrating viewing system (P), AO 15: 1671
- Forwardscattering corrections for optical extinction measurements in aerosol media. 1: Monodispersions (T), AO 17: 2900
- Four-component polarization measurement of lidar atmospheric scattering (E), AO 17: 614
- Fourier transform method for calculating the transmittance of inhomogeneous atmospheres (T), AO 18: 3426
- Fourier transform spectroscopy measurements of long path atmospheric absorption (A), JOSA 68: 1425
- Free-space propagation of irradiance fluctuations and the fourth-order coherence function (T), JOSA 64: 1836
- Frequency analysis of the circumzenithal arc: Evidence for the oscillation of ice-crystal plates in the upper atmosphere (T), JOSA 69: 1119
- Gaussian laser beam broadening in scattering medium (A), JOSA 69: 1412
- Generalized spherical wave mutual coherence function (T) (L), JOSA 67: 1279
- Geometrical optics of inhomogeneous particles: glory ray and the rainbow revisited (T), AO 16: 166
- Geometry of halo formation (T), JOSA 69: 1122
- Geometry of halo formation (T), JOSA 69: 1196
- Ground-based determination of atmospheric radiance for correction of ERTS-1 data (E) (L), AO 13: 2741
- Ground illumination from a turbid cloudless sky (ET), AO 14: 67
- Handbook of Optics. Edited by Walter G. Driscoll and William Vaughan (B), Reviewed by Wright, W. D. AO 18: 416
- High-energy laser beam propagation through water droplets (A), JOSA 68: 1357
- High energy pulsed dye lasers for atmospheric sounding (E), AO 18: 287
- Higher-order skewness and excess coefficients of some probability distributions applicable to optical propagation phenomena (T) (L), JOSA 69: 199
- High power laser propagation (R), AO 15: 1479
- High resolution atmospheric transmission calculations down to 28.7 km in the 200–243-nm spectral range (TE), AO 18: 964
- Hole-boring in clouds by high-intensity laser beams (T), AO 16: 2974
- Horizontal visibility and the measurement of atmospheric optical depth of lidar (T), AO 14: 2878
- How to take an atmospheric temperature sounding to a height of 5 km by watching the setting sun (A), JOSA 65: 1174
- Image centroid motion of an extended Lambertian target (A), JOSA 67: 1377
- Image dissector for size and position of statically suspended particles (ET), AO 18: 3602
- Image information by means of speckle-pattern processing (TE), JOSA 65: 279
- Imaginary refractive index determinations of the strong absorption in atmospheric dust in the 2.0–3.0  $\mu$ m spectral region (A), JOSA 67: 1363
- Imaging in the presence of random wave aberrations (T), JOSA 69: 717
- Imaging of extended objects through a turbulent atmosphere (T), AO 13: 431
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- Improved approximation of Bemporad's airmass function: comment (T) (L), AO 13: 2193
- Index of refraction structure parameter in the real atmosphere—an overview (A), JOSA 68: 539
- Index of refraction turbulence effects on thermal blooming in laboratory experiments (E), AO 18: 698
- Influence of atmospheric absorption on satellite auroral observations (T), AO 18: 3324
- Influence of exposure time on spectral properties of turbulence-degraded astronomical images (TE), JOSA 65: 664
- Influence of ground scattering on satellite auroral observations (T), AO 17: 1898
- Influence of measured reflection properties of vegetated surfaces on atmospheric radiance and its polarization (T), AO 17: 260
- Influence of the complex index of refraction on the volume extinction, scattering, and absorption coefficient of particle size distributions (A), JOSA 68: 540
- Information content of sky intensity and polarization measurements at right angles to the solar direction (T), AO 17: 2153
- Infrared absorption bands of  $\alpha$ - and  $\beta$ -pinenes in the 8–14- $\mu$ m atmospheric window region (E), AO 18: 3434
- Infrared atmospheric transmission of laser radiation (T), AO 13: 56
- Infrared continuum absorption by atmospheric water vapor in the 8–12- $\mu$ m window (E), AO 15: 2085
- Infrared energy levels and intensities of carbon dioxide (TE), AO 17: 2605
- Infrared extinction spectra of some common liquid aerosols (ET), AO 16: 1598
- Infrared methane spectra between 1120 cm<sup>-1</sup> and 1800 cm<sup>-1</sup>: a new atlas (ET), AO 18: 3798
- Infrared noise caused by turbulent flows (T), AO 17: 3911
- Infrared passbands for clear-air-turbulence detection (ET), OL 3: 130
- Infrared radiation extinction sensitivity to the modified gamma distribution parameters for haze and fog droplet polydispersions (TE), AO 15: 2906
- Infrared spectral radiance of a hot source through an atmospheric path (T) (L), AO 15: 2613
- Insects as unidentified flying objects (ET), AO 17: 3355
- Insects as unidentified flying objects: comment (TE) (L), AO 18: 2723
- Insects as unidentified flying objects: author's reply to comment; 1 (TE) (L), AO 18: 2724
- Insects as unidentified flying objects: author's reply to comments; 2 (T) (L), AO 18: 2725
- In situ* photometric observations of optical scattering properties of atmospheric aerosols (A), JOSA 65: 1174
- In situ* photometric observations of angular scattering from atmospheric aerosols (E), AO 15: 2520
- Instantaneous intensity distribution in a focused laser beam at 0.63  $\mu$ m and 10.6  $\mu$ m propagating through the atmosphere (E), AO 14: 2747
- Instrument for the monochromatic observation of all sky auroral images (E), AO 16: 1691
- Intensity fluctuations of an atmospherically degraded beam at the focus of a large collecting lens (ET) (L), AO 16: 1128
- Intensity fluctuations of optical radiation in scattering media (TE), AO 14: 2731
- Intensity fluctuations resulting from partially coherent light propagating through atmospheric turbulence (T), JOSA 69: 73
- Inversion methods in atmospheric remote sounding: an interactive workshop, Williamsburg, 15–17 Dec 1976 (M), Reported by Lenoble, Jacqueline, AO 16: 1120
- Inversion of optical data to obtain a micrometeorological temperature profile (E), AO 18: 1715
- Inversion of optical scattering and spectral extinction measurements to recover aerosol size spectra (T), AO 18: 988
- Inversion of stratospheric aerosol and gaseous constituents from spacecraft solar extinction data in the 0.38–1.0- $\mu$ m wavelength region (T), AO 18: 1404
- Inversion techniques for determining the droplet size distribution in clouds: numerical examination (T), AO 15: 378
- Investigation of structure and dynamics of aerosol inhomogeneities in the ground layer of the atmosphere (E), AO 16: 2231
- Irresidence in an aircraft contrail (TE), JOSA 69: 1080
- Irresidence in an aircraft contrail (TE), JOSA 69: 1194
- Irradiance fluctuations of a spherical wave propagating under saturation conditions (T), JOSA 64: 1526
- Irradiance scintillations: comparison of theory with experiment (TE), JOSA 65: 548
- Irradiance scintillations of a partially coherent source in extremely strong turbulence (T) (L), AO 18: 1133
- Irradiance tailoring as a method of reducing thermal blooming in an absorbing medium (TE), JOSA 64: 1123
- Isoline approach to portraying atmospheric turbulence induced laser beam spread (T), AO 16: 1606
- Isoline method of portraying atmospheric attenuation of laser radiation (T) (L), AO 14: 1263
- Isophotes of sunlight glitter on a wind-ruffled sea (T), AO 16: 643
- Isoplanicity: the translation invariance of the atmospheric Green's function (T), JOSA 65: 1321
- Joint signal current probability distribution for optical heterodyne receiver arrays in the turbulent atmosphere (TE), AO 18: 2315
- $K$  distributions in atmospheric propagation of laser light (A), JOSA 69: 1412
- $K$  distributions in atmospheric propagation of laser light (T) (L), JOSA 69: 796
- Kinetic cooling observation with a cw CO<sub>2</sub> laser (E), AO 16: 1342



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- Laser beam broadening in aerosol media (A), JOSA 67: 260
- Laser-beam-hygroscopic-aerosol interactions (A), JOSA 65: 1202
- Laser beam propagation in particulate media (T), JOSA 69: 68
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- Laser-beam scintillation beyond the turbulent atmosphere (A), JOSA 65: 1217
- Laser-beam scintillation beyond the turbulent atmosphere: a numerical computation (TE), AO 15: 2534
- Laser-induced atmospheric breakdown (A), JOSA 65: 1182
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- Lead-angle effects in turbulence-compensating reciprocity tracking systems (T) (L), AO 17: 165
- Least-squares fitting a wave-front distortion estimate to an array of phase-difference measurements (T), JOSA 67: 370
- Lidar for multiple backscattering and depolarization observations (ET), AO 16: 3193
- Lidar measurements of rotational Raman and double scattering (TE), AO 17: 1905
- Lidar measurements of two intense stratospheric dust layers (E) (L), AO 14: 4
- Lidar polarization studies of the troposphere (E), AO 14: 2158
- Light extinction in polydisperse particulate systems, AO 16: 3183
- Light scattering by tenuous particles: a generalization of the Rayleigh-Gans-Rocard approach (T), AO 15: 2932
- Limitation on image resolution imposed by a random medium (T), AO 17: 348
- Limitations in using atmospheric models for laser transmission estimates (TE) (L), AO 13: 2193
- Limitations of approximate Fourier techniques in solving radiative-transfer problems (T) (L), JOSA 69: 1719
- Linear laser-propagation losses in the atmosphere: a current assessment (A), JOSA 65: 1182
- Line parameter variations and the profile dependence of atmospheric transmittance (T), AO 17: 2103
- Log-normal paradox in atmospheric scintillations (T), JOSA 64: 583
- Long- and short-term Strehl ratios for turbulence with finite inner and outer scales (T), AO 18: 984
- Long path air spectra (E) (L), AO 16: 1477
- Long-path high-resolution atmospheric transmission measurements: comparison with LOWTRAN 3B predictions (E) (L), AO 17: 2668
- Long-path high-resolution atmospheric transmission measurements: comparison with LOWTRAN 3B predictions; comments (T) (L), AO 18: 592
- Long-path high-resolution atmospheric transmission measurements: comparison with LOWTRAN 3B predictions; authors' reply to comments (L), AO 18: 593
- Long-path high-resolution field measurements of absolute transmission in the 3.5- to 4.0- $\mu\text{m}$  atmospheric window (E), OL 1: 121
- Low resolution/high resolution atmospheric propagation computer code (A), JOSA 69: 1999
- Lowtran 3B performance in the infrared windows of the atmosphere (A), JOSA 68: 1424
- Marine boundary layer refractive effects in the infrared (E) (L), AO 18: 2532
- Mathematical expressions for molecular absorption in Lowtran 3B (T), AO 17: 2591
- Matrix formulation of the reconstruction of phase values from phase differences (T), JOSA 69: 393
- Mean received field statistical behavior of a focused-beam propagation through the turbulent atmosphere (A), JOSA 65: 1218
- Mean vertical profile of atmospheric turbulence relevant for astronomical seeing (E), JOSA 66: 1380
- Measured and predicted atmospheric transmission in the 4.0-5.3- $\mu\text{m}$  region, and the contribution of continuum absorption by  $\text{CO}_2$  and  $\text{N}_2$  (TE), AO 18: 2454
- Measured atmospheric MTF over the ocean, for visible to far IR (A), JOSA 68: 539
- Measurement of averaged squared modulus of atmospheric-lens modulation transfer function (ET), JOSA 64: 1129
- Measurement of optical wave propagation on a vertical atmospheric path (A), JOSA 68: 1367
- Measurement of propagation of a spherical wave on a vertical path (A), JOSA 68: 539
- Measurement of rain parameters by optical scintillation (ET), AO 16: 2236
- Measurement of rain parameters by optical scintillation: computer simulation of the correlation method (T), AO 16: 3176
- Measurement of  $r_0$  with speckle interferometry (TE), JOSA 68: 348
- Measurement of the absorption coefficient of atmospheric dust (ET), AO 13: 1923
- Measurement of the phase structure function (A), JOSA 68: 539
- Measurement of the size of the isoplanatic patch using a phase-correcting telescope (E), JOSA 69: 84
- Measurements and modeling of self- and air-broadened 3.8  $\mu\text{m}$   $\text{H}_2\text{O}$  continuum absorption (A), JOSA 68: 1425
- Measurements of atmospheric isoplanatism using speckle interferometry (A), JOSA 67: 1391
- Measurements of atmospheric isoplanatism using speckle interferometry (E), JOSA 68: 169
- Measurements of the atmospheric attenuation of the spectral components of astronomical images (ET), JOSA 66: 478
- Measurements of three-parameter log-normally distributed optical-field irradiance fluctuations in a turbulent medium (TE), JOSA 65: 655
- Membrane mirror as an adaptive optical element (ET), JOSA 67: 399
- Messung der Richtungsszintillation mit einem Schnittbildentfernungsmesser (TE), AO 17: 2622
- Meteorological influence on aerosol extinction in the 0.2-40- $\mu\text{m}$  wavelength range (T), AO 18: 3457
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- Methodology for error analysis and simulation of lidar aerosol measurements (T), AO 18: 3783
- Mie scattering between any two angles (T), JOSA 67: 572
- Minimizing atmospheric dispersion effects in compensated imaging (T), JOSA 67: 407
- Mirage, the green flash, and theological optics (A), JOSA 64: 539
- Modal compensation of atmospheric turbulence phase distortion (T), JOSA 68: 78
- Modified spectrum of atmospheric temperature fluctuations and its application to optical propagation (T), JOSA 68: 892
- Molecular interpretation of the infrared water vapor continuum (T) (L), AO 17: 1484
- Molecular interpretation of the IR water vapor continuum: comments (TE) (L), AO 17: 5193
- Monitoring of tropospheric aerosol optical properties by lidar (A), JOSA 67: 258
- Mountain shadow phenomena (ET), AO 18: 265
- Multiple pulse detection in atmospheric turbulence (T), AO 17: 2721
- Multiple-pulse thermal blooming and phase compensation (E), JOSA 67: 295
- Multiple-pulse thermal blooming and phase compensation (E), JOSA 67: 298
- Multiple scattered radiation emerging from Rayleigh and continental haze layers. 1: Radiance, polarization, and neutral points (T), AO 15: 632
- Multiple scattering analysis of the propagation of radiance through the atmosphere (A), JOSA 67: 1376
- Multiple scattering calculation of the middle ultraviolet reaching the ground (T), AO 13: 1567
- Multiple-scattering effects of twilight color in real earth atmospheric models (A), JOSA 64: 1390
- Multiple scattering in atmospheric clouds: lidar observations (E), AO 15: 1990
- Multispectral propagation measurements through snow (A), JOSA 68: 541
- Multiwavelength laser ranging system for measuring atmospheric propagation delay (A), JOSA 69: 1412
- Mutual coherence function and frequency spectrum of a laser beam propagating through atmospheric turbulence (T), JOSA 64: 592
- Mutual coherence function of a wave front corrected by zonal adaptive optics (T), JOSA 69: 549
- New solutions of the refraction integral (T), JOSA 65: 676
- Night sky spectral emission measurements (0.9-2.3  $\mu\text{m}$ ) using a field-widened interferometer-spectrometer (E), AO 18: 3386
- Nimbus-6 earth radiation budget experiment (E), AO 16: 306
- $\text{NO}_2$  concentration measurements in an urban atmosphere using differential absorption techniques, AO 13: 1481
- Noctilucent Clouds. Edited by K. Eerme (B). Reviewed by Howard, John N., AO 13: 1724
- Noise considerations in stellar speckle interferometry (T), JOSA 67: 1176
- Nonlinear propagation through fog (A), JOSA 68: 541
- Nonspatial extinction and absorption efficiencies (T), AO 17: 3159
- Normalization of elastic lidar returns by use of Raman rotational backscatter (E) (L), AO 14: 270
- Normal-mode approach to wave propagation in the turbulent atmosphere (T), AO 13: 2614
- Novaya Zemlya effect: an arctic mirage (T), JOSA 69: 776
- Observations of eclipse shadow bands and related phenomena (E) (L), AO 18: 3538
- Obtaining information through the atmosphere at the diffraction limit of a large aperture (T), JOSA 65: 755
- Optical backscattering from near-spherical water, ice, and mixed phase drops (ET), AO 16: 1332
- Optical beam propagation for a partially coherent source in the turbulent atmosphere (T), JOSA 69: 1297
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- Optical pulse propagation through turbulence, rain, and fog (A), JOSA 68: 540
- Optical pulses in atmospheric turbulence (T), JOSA 64: 68
- Optical remote sensing of atmospheric turbulence: a comparison with simultaneous thermal measurements (E), AO 18: 243
- Optical resolution through a turbulent medium with adaptive phase compensations, JOSA 67: 383
- Optical scattering and diffusion in turbulence and scatterers (A), JOSA 68: 1368
- Optical transmission in the atmosphere over the ocean (A), JOSA 68: 1366



- Optical window interferograms: a simple method for their evaluation (ET), AO 16: 2134
- Optical wind sensing by observing the scintillations of a random scene (TE), AO 14: 2844
- Optics for a 5 km DF laser extinction experiment (A), JOSA 65: 1202
- Optics for laser-calibrated high-resolution atmospheric transmission studies (A), JOSA 66: 1087
- Optics of the Atmosphere, Scattering by Molecules and Particles. By Earl J. McCartney (B). Reviewed by Fenn, Robert W., AO 16: 1456
- Optics of the Atmosphere, Scattering by Molecules and Particles. By Earl J. McCartney (B). Reviewed by Fried, David L., JOSA 67: 1694
- Optimization of telescope images (T) (L), JOSA 65: 858
- Optimum adaptive imaging through atmospheric turbulence (T), AO 13: 2609
- Origin of the anhelion (TE), JOSA 69: 383
- Origins of anhelion arcs, the anhelion pillar, and the anhelion (TE), JOSA 69: 1107
- Origins of anhelion arcs, the anhelion pillar, and the anhelion (TE), JOSA 69: 1195
- Partial tracking optical heterodyne arrays (T), JOSA 68: 1673
- Particle size dependence of the composition and complex refractive index of atmospheric dust: measurements and discussion (A), JOSA 67: 1364
- Passive remote crosswind sensor (E) (L), AO 16: 2625
- Perturbed log-normal distribution of irradiance fluctuations (T), JOSA 64: 994
- Phase approximation of the Huygens-Kirchhoff method in problems of space-limited optical-beam propagation in turbulent atmosphere (T), OL 4: 259
- Phase approximation of the Huygens-Kirchhoff method in problems of reflections of optical waves in the turbulent atmosphere (T), JOSA 69: 1609
- Phase-compensated optical beam propagation through atmospheric turbulence (T), AO 17: 2880
- Phase difference and angle-of-arrival fluctuations in tracking a moving point source (T), AO 13: 2869
- Phase fluctuations in a turbulent medium (T), AO 16: 3190
- Phase-front distortion of laser radiation in a turbulent atmosphere (ET), AO 14: 2857
- Phase screen theory of laser-beam scintillations (A), JOSA 65: 1217
- Phase transition changes in the molecular absorption coefficient of water in the infrared: evidence for clusters (TE) (L), AO 17: 3192
- Phenomenological model of scintillation (TE), AO 15: 2511
- Photoacoustic investigation of urban aerosol particles (E) (L), AO 18: 2528
- Photogrammetry of the solar aureole (T), AO 17: 1120
- Photographic aureole measurements and the validity of aerosol single scattering (ET), AO 15: 2457
- Photometer calibration error using extended standard sources (ET) (L), AO 15: 600
- Photometer for detection of lithium release in daytime (E) (L), AO 18: 420
- Photometric properties of an unidentified bright object seen off the coast of New Zealand (E) (L), AO 18: 2527
- Photometric properties of an unidentified bright object seen off the coast of New Zealand: comments (E) (L), AO 18: 3889
- Photon-counting measurements of optical-field irradiance fluctuations in a turbulent atmosphere (A), JOSA 65: 1218
- Photon noise and atmospheric noise in active optical systems (T), JOSA 65: 551
- Physical model for optical propagation in random media (A), JOSA 68: 540
- Physical model for strong optical-amplitude fluctuations in a turbulent medium (T), JOSA 64: 59
- Point-ahead limitation on reciprocity tracking (T), JOSA 65: 65
- Point visibility meter: a forward scatter instrument for the measurement of aerosol extinction coefficient (ET), AO 14: 2151
- Polarimetry of skylight in the ultraviolet (A), JOSA 69: 1411
- Polarization and ellipticity of light scattered from a haze layer (A), JOSA 64: 1389
- Polarization models of halo phenomena. I. The parhelic circle (T), JOSA 69: 1100
- Polarization properties of lidar scattering from clouds at 347 nm and 694 nm (E), AO 17: 2321
- Polarization reference imaging systems. 2: Computer simulation studies (T), AO 15: 1411
- Polarized rainbow (T), AO 18: 1961
- Portable cell for simultaneously measuring the coefficients of light scattering and extinction for ambient aerosols (E), AO 18: 1009
- Portable transmissometer (A), JOSA 67: 258
- Postprocessing of imagery from active optics: some pitfalls (T), AO 16: 175
- Practical upper limits of the optical extinction coefficients of aerosols (TE), AO 18: 1372
- Pressure dependence of the water vapor continuum absorption in the 3.5-4.0- $\mu$ m region (E), AO 18: 1149
- Probability distribution of the sum of  $N$  complex random variables (T), JOSA 67: 181
- Probability distribution of turbulent irradiance in a saturation regime (ET), AO 18: 1590
- Probability of getting a lucky short-exposure image through turbulence (T), JOSA 68: 1651
- Propagation experiments in low-visibility atmospheres (E), AO 17: 899
- Propagation-medium limitations on phase-compensated atmospheric imaging (T), JOSA 66: 460
- Propagation of pulsed beam waves through turbulence, cloud, rain, or fog (T), JOSA 67: 1261
- Propagation of the mutual coherence function for an infinite plane wave through a turbid medium (T), OL 1: 104
- Propagation of Visible and Infrared Radiation in the Atmosphere. By V. E. Zuev (B). Reviewed by Strohhahn, John W., JOSA 66: 872
- Properties of phase conjugate adaptive optical systems (T), JOSA 67: 290
- Pulse broadening in a semi-infinite spatio-temporal random medium (A), JOSA 69: 1411
- Quantitative studies of  $\text{HNO}_3$  vapor absorption in 1700-2636-Å wavelength region (ET), AO 13: 1202
- Radiance distribution over a ruffled sea: contributions from glitter, sky, and ocean (T), AO 15: 3161
- Radiation in the earth's atmosphere: its radiance, polarization, and ellipticity (T), AO 15: 2489
- Radiation transfer with polarization in the earth's atmosphere (A), JOSA 64: 1389
- Radiative transfer in the earth's atmosphere and ocean: influence of ocean waves (T), AO 14: 1924
- Radiative transfer in two dimensions through fog (T), AO 17: 1797
- Radiative transfer: technique for simulating the ocean in satellite remote sensing calculations (T), AO 15: 1974
- Raman-lidar humidity sounding of the atmospheric boundary-layer (E), AO 18: 1141
- Ranging laser atmospheric transmissometer (A), JOSA 66: 382
- Rapid atmospheric transmittance through fast Fourier convolution (A), JOSA 67: 1376
- Ratio measurement of diffuse to direct solar irradiances in the middle ultraviolet (E), AO 15: 1182
- Ray tracing evaluation of a technique for correcting the refraction errors in satellite tracking data (E), AO 17: 3143
- Ray tracing theory and mirage occurrence conditions (T), AO 17: 2108
- Real-time atmospheric compensation (E), JOSA 67: 360
- Real-time correction of atmospherically degraded telescope images through image sharpening (T), JOSA 64: 1200
- Real-time wavefront correction through Bragg diffraction of light by sound waves (TE), JOSA 65: 271
- Recent developments in nephelometers (A), JOSA 67: 258
- Recent measurements of marine aerosols (A), JOSA 65: 1201
- Reconstruction of turbulence-degraded images by spectral ratio measurements (T) (L), JOSA 67: 843
- Reflected irradiance indicatrices of natural surfaces and their effect on albedo (E), AO 18: 984
- Refractive-index measurements at high altitudes (A), JOSA 65: 1218
- Refractive-index spectral structure in the atmospheric boundary layer (A), JOSA 68: 539
- Refractive-index structure constant dependence on height (E) (L), JOSA 69: 1616
- Refractive-turbulence profiles measured by one-dimensional spatial filtering of scintillations (TE), AO 15: 2504
- Relation between absorption coefficient and imaginary index of atmospheric aerosol constituents (T), AO 18: 1368
- Relationship between particle size and imaginary refractive index in atmospheric dust (E) (L), AO 16: 2628
- Relationship between two analytic inversion formulae for multispectral extinction data, AO 18: 3599
- Remote detection of atmospheric aerosols using lidar (A), JOSA 67: 1370
- Remotely measuring surface pressure from a satellite using a multicolor laser ranging system (T), AO 18: 3184
- Remote measurement of ethylene using a  $\text{CO}_2$  differential-absorption lidar (ET), AO 17: 814
- Remote measurement of the transverse wind velocity component using a laser Doppler velocimeter (ET), AO 18: 3010
- Remote measurements of ambient air pollutants with a bistatic laser system (E), AO 15: 2080
- Remote probing using spatially filtered apertures (TE), JOSA 64: 1295
- Remote sensing of atmospheric turbidity from geosynchronous orbit (A), JOSA 67: 258
- Removal of atmospheric effects from satellite imagery of the oceans (T), AO 17: 1631
- Representation of observable signals in Chebyshev polynomials: application to phase-sensitive detection (T), JOSA 69: 978
- Resolution of partially coherent objects by use of speckle interferometry (T), JOSA 64: 155
- Restoring with maximum entropy. III. Poisson sources and backgrounds (TE), JOSA 68: 93
- Results for the variance of the irradiance of a finite beam in a random medium (T) (L), JOSA 65: 608
- Results of NRL low-power laser-propagation studies (A), JOSA 65: 1202
- Results on the effect of turbulence on phase-compensated systems (T), JOSA 66: 730
- Retrieval of aerosol size distributions by inversion of simulated aureole data in the presence of multiple scattering (T), AO 18: 1376
- Satellite measurement of mass of Sahara dust in the atmosphere (TE), AO 15: 2471
- Saturation effect for  $\text{H}_2\text{O}$  absorption lines at ruby laser wavelengths (E), AO 18: 3014
- Saturation of optical scintillation by strong turbulence (TE), JOSA 64: 148
- Saturation-resistant optical scintillometer to measure  $C_n^2$  (TE), JOSA 68: 334
- Scattered radiation from a gradient particulate atmosphere in the presence of a totally absorbing earth (TE), AO 18: 978
- Scattering-independent determination of the thermal-emission profile of a planetary atmosphere and related radiative-equilibrium considerations (T), JOSA 64: 145
- Scattering of solar radiation by hexagonal ice crystals (T), AO 18: 2663
- Scintillation and multiwavelength coherence effects in a long-path laser absorption spectrometer (ET), AO 17: 277
- Scintillation statistics caused by atmospheric turbulence and speckle in satellite laser ranging (T), AO 16: 2408
- Scintillation statistics measured in an earth-space-earth retroreflector link (E), AO 16: 2654
- Seeing effects removal in a Michelson stellar interferometer (T), JOSA 66: 1347
- Seeing limit can resolve the isoplanatic patch (A), JOSA 65: 1213
- Semiempirical model of laser beam propagation in turbulence (A), JOSA 67: 1376
- Short-term average irradiance profile of an optical beam in a turbulent medium (T), AO 15: 2922
- Signal current probability distribution for optical heterodyne receivers in the turbulent atmosphere. 1 (T), AO 17: 2141
- Signal current probability distribution for optical heterodyne receivers in the turbulent atmosphere. 2 (E), AO 17: 2148



- Silicon photodiode as a detector in the rocket-borne photometry of the near infrared airglow (E), AO 15: 2902
- Simple solution for obtaining a temperature profile from the inferior mirage (TE), AO 18: 1724
- Simple strategies for inclusion of Voigt effects in infrared cooling rate calculations (T), AO 18: 2634
- Simplified analysis for high-energy laser propagation (T), JOSA 68: 750
- Simplified analytical formulas for thermal blooming (T) (L), AO 13: 2753
- Simulation of atmospherically degraded beams I: Extended Fourier approach (A), JOSA 65: 1218
- Simulation of atmospherically degraded beams II: Polynomial approach (A), JOSA 65: 1218
- Single and multiple scattering contributions to circumsolar radiation (T), AO 17: 3794
- Single-ended measurement of infrared extinction using lidar, AO 17: 296
- Single-particle correlation techniques for remote measurement of wind speed: aerosol condition and measurement rate (TE), JOSA 69: 455
- Single-scattering solution for radiative transfer through a turbid atmosphere (T), AO 17: 3431
- Sky background measurements in the 4800–5800-Å region at the latitude of the polar cleft (E), AO 17: 2594
- Sky brightness and polarization during the 1973 African eclipse (E), AO 14: 388
- Sky brightness during eclipses: a review (R), AO 14: 2838
- Sky color near the horizon during a total solar eclipse (T), AO 14: 2831
- Skylab-earth laser-beacon experiment: results and analysis (E) (L), JOSA 69: 1180
- Skylab-earth laser-beacon experiment: results and analysis (E) (L), JOSA 69: 1198
- Sky radiance during a total solar eclipse: a theoretical model (T), AO 17: 272
- Small-angle multiple scattering of a laser beam (A), JOSA 67: 1376
- Solar spectral irradiance and atmospheric extinction in the visible and ultraviolet from an elevation of 2.79 km (A), JOSA 66: 1087
- Solutions of the refraction and extinction integrals for use in inversions and image formation (T), AO 16: 160
- Spatial correlation of phase-expansion coefficients for propagation through atmospheric turbulence (T), JOSA 69: 712
- Spatial irradiance interferometry with sources of arbitrary symmetry, JOSA 64: 11
- Spatial spikes of laser irradiance propagating over large distances in a turbulent medium (T), AO 15: 1172
- Speckle interferometry at finite spectral bandwidths and exposure times (E), JOSA 68: 480
- Speckle interferometry measurements of atmospheric nonisoplanicity using double stars (E), JOSA 68: 338
- Speckle propagation through turbulence: experimental (E), JOSA 68: 760
- Spectral characteristics of image quality for imaging horizontally through the atmosphere (T), AO 16: 2422
- Spectral characteristics of image quality for imaging horizontally through the atmosphere (errata), AO 17: 1162
- Spectral covariance of scintillations (E) (L), AO 15: 2305
- Spectral distribution of Australian daylight (E), JOSA 68: 437
- Spectral expansion method in problems of laser-beam propagation in the turbulent atmosphere (T), OL 3: 184
- Spectral extinction measurements in hazy seacoast atmosphere (A), JOSA 68: 541
- Spectral line selection of carbon monoxide lasers (ET), AO 13: 2812
- Spectrophotometric measurements of the absorption of visible light by aerosols in the atmosphere (E), OL 1: 70
- Spectrophotometric measurements of the absorption of visible light by aerosols in the atmosphere (E), OL 1: 70
- Spectrophotometric measurements of the absorption of visible light by aerosols in the atmosphere (E), OL 1: 70
- Spectroscopic identification of NO<sub>2</sub> in the atmospheric brown haze over Toronto (A), JOSA 67: 1363
- Spherical particle populations: approximate analytic relationship between size distribution parameters and integral optical properties (T), AO 15: 1178
- Stagnation and transonic effects in thermal blooming (T), AO 16: 355
- Stagnation-zones experiment (A), JOSA 65: 1191
- Statistical measurements of 6328-Å atmospheric attenuation (E), AO 16: 660
- Statistical measurements of intensity fluctuations of a laser beam transmitted through a turbulent atmosphere (A), JOSA 64: 1390
- Statistics of irradiance from coherently illuminated targets in the atmosphere (A), JOSA 68: 1369
- Statistics of stellar speckle patterns (E), AO 17: 3779
- Stratospheric aerosol parameters for the Fuego volcanic incursion (ET) (L), AO 14: 1262
- Strong irradiance fluctuations in turbulent air, III. Diffraction cutoff (T), JOSA 64: 360
- Submillimeter wave spectroscopy of the atmosphere (R), JOSA 67: 880
- Successive approximation for determining the hydroxyl rotational temperature (T), AO 18: 3805
- Supersaturation: effect of a high-frequency cutoff on strong optical-scintillation measurements (T), JOSA 64: 1211
- Telescopic "seeing" measurements during the day and night (A), JOSA 67: 1377
- Television system for the measurement of atmospheric OTF degradation (E), AO 18: 2462
- Temperature effect on the atmospheric transmission function in the 15-μm region (T), OL 2: 169
- Temperature profiles from the inferior mirage (A), JOSA 68: 1433
- Temporal- and spatial-intensity-interferometer imaging through a random medium (ET), JOSA 65: 760
- Temporal characteristics of single-scatter radiation (T), JOSA 69: 464
- Temporal-frequency spectra for waves propagating over straight and folded paths: a comparison (T), AO 14: 1161
- Temporal-frequency spectrum of an optical wave propagating under saturation conditions (T), JOSA 64: 357
- Theological optics (L), AO 14: A92
- Theological optics: 1. Classical rebuttal (L), AO 15: 323
- Theological optics: 2. Walking on the sand at night in a high wind (L), AO 15: 324
- Theory of spatially limited light beam displacements in a randomly inhomogeneous medium (T), JOSA 67: 1073
- Theory of the rainbow (T), JOSA 69: 1089
- Theory of the scattering-phase-matrix determination for ice crystals (T), JOSA 65: 159
- Thermal-blooming compensation: experimental observations using a deformable-mirror system (E), AO 15: 990
- Thermal blooming due to a stagnation zone: scaling law for the quasi-steady state (A), JOSA 65: 1191
- Thermal-blooming effects on atmospheric propagation (A), JOSA 65: 1182
- Thermal blooming of a multiply pulsed laser in a uniform cross wind (A), JOSA 65: 1191
- Thermal blooming of rapidly slued laser beams (T), AO 13: 2072
- Threshold detection in an on-off binary communications channel with atmospheric scintillation (T), AO 14: 1413
- Threshold detection in pulsed laser ranging (T) (L), AO 15: 1349
- Total ozone determination by spectroradiometry in the middle ultraviolet (E), AO 18: 850
- Total ozone determination with a mobile spectroradiometer (A), JOSA 68: 1433
- Tracking systems requirements for atmospheric steering compensation (T), AO 14: 2750
- Tracking turbulence-induced tilt errors with shared and adjacent apertures (T), JOSA 67: 282
- Transfer functions, correlation scales, and phase retrieval in speckle interferometry (E), JOSA 67: 1583
- Transient thermal blooming of a slued laser beam containing a region of stagnant absorber (TE), AO 16: 345
- Transient thermal blooming of long laser pulses (E), AO 14: 50
- Transient thermal blooming of single and multiple short laser pulses (TE), AO 14: 3740
- Transit time of light through clouds deduced from O<sub>2</sub> absorption measurements (A), JOSA 69: 1412
- Transmission at  $\lambda = 10.6\text{-}\mu\text{m}$  wavelength through the upper atmosphere (T), AO 17: 2316
- Transmittance model for absorbing gases with variable mixing ratios in inhomogeneous atmospheres (T) (L), AO 16: 18
- Transmittance of the atmosphere to infrared solar radiation (A), JOSA 67: 1377
- Tropospheric UV flux calculations and photolysis rates for use with zonally and diurnally averaged models (T), AO 18: 3421
- Turbulence-degraded beam quality: improvement obtained with a tilt-correcting aperture (T), AO 16: 665
- Turbulence effects on target illumination by laser sources: phenomenological analysis and experimental results (ET), AO 16: 1345
- Turbulence of the upper atmosphere and isoplanatism (E), AO 18: 2654
- Twilight sky colors: observations and the status of modeling (TE) (L), JOSA 69: 1179
- Two-dimensional remote air-pollution monitoring via tomography (T), OL 4: 75
- Two-wavelength lidar scattering from atmospheric clouds (A), JOSA 67: 1369
- Ultraviolet aureole around a source at a finite distance (T), AO 17: 1923
- Ultraviolet limit of solar radiation at the earth's surface with a photon counting monochromator (E) (L), AO 17: 683
- Ultraviolet spectrophotometer for measuring columnar atmospheric ozone from aircraft (ET), AO 17: 1649
- Unusual solar halo complex (E) (L), JOSA 69: 1178
- Update of the AFGL atmospheric absorption line parameters compilation (TE) (L), AO 17: 3517
- Updating of the AFCRL atmospheric absorption line parameters compilation (L), AO 15: 2616
- Upper and lower atmosphere and refractive-index profiles (E), AO 16: 2252
- Upper Atmospheric Studies by Optical Methods, 4th European meeting, Garmisch-Partenkirchen, 16 Aug 1976 (M), Reported by Beran, D., AO 15: 2939
- Use of an ac heterodyne lateral shear interferometer with real-time wavefront correction systems (T), AO 14: 2622
- Use of an average complex refractive index in atmospheric propagation calculations (T) (L), AO 17: 989
- Use of polar nephelometer measurements in determining aerosol optical properties (A), JOSA 67: 258
- Use of rainfall-induced optical scintillations to measure path-averaged rain parameters (T), JOSA 65: 927
- Variance and covariance of irradiance of finite beam in extremely strong turbulence (T), 167 (A), JOSA 68: 540
- Variance of irradiance for saturated scintillations (T), JOSA 66: 1389
- Variational principle for scattering of light by dielectric particles (T) (L), AO 17: 3707
- Vertical distribution of ozone: a new method of determination using satellite measurements (T), AO 15: 261
- Vertical inhomogeneity in atmospheric fog and haze and its effects on infrared extinction (A), JOSA 68: 540
- Vertical laser-beam propagation through the troposphere (A), JOSA 64: 540
- Vertical path atmospheric modulation transfer function for desert floor and mountain locations (A), JOSA 68: 1368
- Vertical path atmospheric MTF measurements (ET), JOSA 69: 828
- Very-high-resolution far-infrared measurements of atmospheric emission from aircraft (E), JOSA 67: 917
- Visibility of distant mountains as a measure of background aerosol pollution (TE), AO 14: 400
- Visibility of the solar *H* and *K* lines in the glitter from snow (A), JOSA 66: 1088
- Visual observations from space (E), JOSA 69: 1064
- Volcanic twilight color ratios (A), JOSA 65: 1173
- Water cluster interpretation of IR absorption spectra in the 14-μm wavelength region (T), AO 18: 2609
- Water continuum absorption measurements using a single-frequency DF laser (A), JOSA 65: 1201
- Water vapor absorption coefficients at HF laser wavelengths (2.64–2.93 μm) (ET), AO 18: 1582



Water-vapor absorption measurements using a line-tunable deuterium fluoride laser (A), JOSA 65: 1201

Water-vapor-continuum absorption measurements (3.5–4.0  $\mu\text{m}$ ) using HDO-depleted water (E), OL 1: 31

Water vapor continuum absorption in the 3.5–4.0- $\mu\text{m}$  region (ET), AO 17: 2711

Water vapor–nitrogen absorption at  $\text{CO}_2$  laser frequencies (E), AO 18: 834

Water vapor: spectral transmission at wavelengths between 0.7  $\mu\text{m}$  and 1  $\mu\text{m}$  (E), AO 17: 2114

Wave-front compensation error due to finite corrector-element size (T), JOSA 67: 393

Wavelength dependence of seeing (TE), JOSA 68: 877

Waves in random media: weak scattering reconsidered (T), JOSA 68: 475

Weak refractive scattering: a model system (T) (L), JOSA 69: 1036

What property of a haze is determined by light scattering? 2: Nonuniform particles of arbitrary shape (T), AO 15: 2464

What size of ice crystals causes the halos? JOSA 69: 1112

What we know about aerosols and what we would like to know (A), JOSA 66: 1083

Wind measurements from an orbital platform using a lidar system with incoherent detection: an analysis (T), AO 18: 2992

Worldwide data on reduced visibility due to airborne dust (E) (L), JOSA 67: 1689

ZAPS—a new point-of-interest projection system (A), JOSA 67: 1375

## Atoms

Advances in Atomic and Molecular Physics, Volume 10. Edited by D. R. Bates (B), Reviewed by Williams, Dudley, JOSA 64: 894

Atoms and Molecules in Electric Fields. By Nils Ryde (B), Reviewed by Lochte-Holtgreven, W., AO 16: 1775

Critical Evaluation of Chemical and Physical Structural Information. Edited by David R. Lide, Jr., and Martin A. Paul (B), Reviewed by Falconer, Warren E., AO 15: 562

Electronic and Ionic Impact Phenomena, Volume 4. By H. S. W. Massey and H. B. Gilbody (B), Reviewed by McDaniel, Earl W., AO 14: 790

Excitation of a spherical resonant medium by an external field (T), JOSA 69: 882

Far-infrared difference frequency generation (A), JOSA 66: 390

Hartree-Fock Method for Atoms. A Numerical Approach. By Charlotte Froese Fischer (B), Reviewed by Fred, Mark S.; Crosswhite, Henry M., AO 16: 3064

Laser isotope separation: revolution in chemistry (A), JOSA 66: 390

Measuring the velocity of individual atoms in real time (T), OL 2: 30

Observation of dipole forces exerted on atoms by intensity gradients of resonant light (A), JOSA 68: 1623

Optical images of atoms in a crystal (N), AO 16: 1403

Oxygen-17 enrichment by Ne II ion laser photo-predissociation of formaldehyde (A), JOSA 66: 390

Physics of Atoms and Molecules. An Introduction to the Structure of Matter. By U. Fano and L. Fano (B), Reviewed by Williams, Dudley, JOSA 64: 734

Polarizabilities of highly ionized atoms (T), JOSA 69: 1279

Structure and Collisions of Ions and Atoms. Topics in Current Physics, Volume 5. Edited by L. A. Sellin (B), Reviewed by Berry, H. Gordon, JOSA 69: 1047

Ultraviolet spectroscopy with atomic beams (A), JOSA 68: 1446

## Attenuated total reflection (ATR)

Anomalous dispersion of surface plasma oscillations (TE) (L), JOSA 68: 1147

Attenuated total reflection angular spectra and associated resonant electromagnetic oscillations of a dielectric slab bounded by Ag films (ET), AO 17: 3314

Attenuated total reflection angular spectra of a system of alternating plasma-dielectric layers, AO 17: 3627

Attenuated-total-reflection spectral linewidth: analysis of surface-polariton dispersion relations and damping rates (TE), JOSA 64: 350

Calculation of attenuated-total-reflection spectra of surface magnetoplasmons on semiconductors (TE), JOSA 64: 1551

Evaluation of thin-film coatings by attenuated total reflection (A), JOSA 67: 253

Infrared characterization of surfaces and coatings by internal-reflection spectroscopy (E), AO 17: 1776

Interface model for frustrated total reflectance measurements of particulates (TE) (L), AO 16: 1783

Optical behavior of a metal island film (T), JOSA 68: 1039

Refractive index of LiF films as a function of time (E), AO 18: 1233

Resonant internal-reflection prism spectroscopy using surface, guided and Fabry-Perot EM waves (ET), AO 17: 430

Simple variable-angle ATR spectrophotometer accessory (E) (L), AO 13: 2479

Surface, guided, and interference EM waves in attenuated internal reflection (AIR) prism spectroscopy (A), JOSA 67: 253

Thin-film absorption coefficients by attenuated-total-reflection spectroscopy (T), AO 17: 394

Total absorption of *p*-polarized light by surface plasma waves (T), OL 3: 88

## Attenuation

Atmospheric extinction measurements of a He-Ne laser (E), AO 17: 285

Attenuation of giant laser pulsed by absorbing filters (E), AO 14: 2203

Measuring range of vision (P), AO 13: 2959

Propagation in pair-correlated distributions of small-spaced lossy scatterers (T), JOSA 69: 1567

Statistical measurements of 6328-Å atmospheric attenuation (E), AO 16: 660

Variable attenuator for Gaussian laser beams (TE), AO 17: 3840

## Attenuators

Linear variable light attenuator (P), AO 13: 6A26

Variable beam attenuator for the infrared (TE) (L), AO 13: 17

## Aurora

Absolute calibration of auroral photometers and ground-based measurements in the 3200–7500-Å spectral region (ET), AO 13: 1196

Infrared observations in the auroral region (A), JOSA 64: 1371

## Awards

See also Optical Society of America

Abel, Irving R., and Bruce R. Reynolds, First Rudolf Kingslake Medal and Prize SPIE (N), AO 15: 914

Ballard, Stanley S., Florida Section OSA makes honorary member (N), AO 13: 3A15

Ballard, Stanley S., Pomona College confers honorary DSc degree (N), AO 13: 1819

Beynon, John H., 1979 Maurice F. Hasler Award (N), AO 17: 3592

Chamberlain, John, Institution of Electrical Engineers Gyr and Landis Prize for 1973 (N), AO 13: 6A14

Cleek, Given W., Commerce Dept. Silver Medal (N), AO 13: 3A16

Crawford, Bryce awarded Lippincott Medal (N), AO 17: 2824

Davidson, Hugh, Inter-Society Color Council's Godlove Award (N), AO 16: 2331

Evans, Ralph M., SMPTE makes honorary member (N), AO 13: 3A15

Frank, Charles, Crystal Growth Award of the American Association for Crystal Growth (N), AO 17: 3778

Herzberg, Gerhard "The Prize" (N), AO 17: 1983

Guinier, André, Fankuchen award in x-ray crystallography for 1974 (N), AO 13: 6A14

Herschberg, Joseph G., Florida Section OSA makes honorary member (N), AO 13: 3A15

Holm, W. R., SMPTE Progress Medal (N), JOSA 64: 259

Hunter, Richard S., Inter Society Color Council Macbeth award recipient 1976 (N), AO 15: 978

Hurvich, Lee M., and Dorothea Johnson, ISCC Godlove Award and American Psychological Assoc. Award (N), AO 13: 3A16

Jacox, Marilyn E., and Dolphus E. Milligan, NBS Stratton Award (N), AO 13: 3A16

Johnson, Dorothea, and Leo M. Hurvich, ISCC Godlove Award and American Psychological Assoc. Award (N), AO 13: 3A16

Jones, R. Clark, awarded the 1977 Thomas Young Medal and Prize (N), AO 16: 2978

Judd, Deane B., medal, AIC establishes (N), JOSA 64: 116

Kostowski, Henry J., NBS Rosa Award (N), AO 13: 3A16

Kreuger, Peter J., Spectroscopy Society of Canada, Herzberg Award (N), JOSA 64: 258

Leith, Emmett N., and Juris Upatnicks, Inventor of the Year Award (N), AO 15: 995

Maurer, Robert D., AIP Prize for Industrial Applications of Physics (N), AO 17: 2048

Milligan, Dolphus E., and Marilyn E. Jacox, NBS Stratton Award (N), AO 13: 3A16

Morrison, George H., presented 1975 medal by New York Section of the Society for Applied Spectroscopy (N), AO 15: 920

Plyler, Earle K., APS Beams Award (N), AO 13: 3A15

Reynolds, Bruce R., and Irving R. Abel, First Rudolf Kingslake Medal and Prize SPIE (N), AO 15: 914

Schawlow, Arthur L., Marconi International Fellowship Awardee (N), AO 16: 1310

Taylor, J. H., Peagram Award, Southeastern Section of the American Physical Society (N), AO 18: 385

Upatnicks, Juris, and Emmett N. Leith, Inventor of the Year Award (N), AO 15: 995

Vallee, Bert Lester, elected to membership in National Academy of Sciences (N), AO 13: 2715

Williams, Dudley, presents H. H. King Lectureship (N), AO 17: A142

## Axicons

Axicon lenses to produce very long plasmas for lasers (A), JOSA 68: 1389

Axicon means axial image (L), AO 18: 2089

Conical axicons used as optical polar everters (T) (L), AO 14: 1482

Imaging properties of a conic axicon (T) (L), AO 13: 1762

Linear, annular, and radial focusing with axicons and applications to laser machining (ET), AO 17: 1532

Mirror system for uniform beam transformation in high-power annular lasers (T), AO 17: 2917

Parabolic axicon (T) (L), AO 13: 1291

Parabolic axicon (T): comments (L), AO 14: 2335

Parabolic axicon (T): reply to comments (L), AO 14: 2335

Polarization effects of axicons (T) (L), AO 18: 581

Ring pattern of a lens-axicon doublet illuminated by a Gaussian beam (TE), AO 17: 1080

## Balloons

Balloon-borne far-infrared Michelson interferometer for atmospheric emission studies (E), AO 18: 346

Balloon-borne infrared telescope for absolute surface photometry of the night sky (E), AO 16: 3125

Balloon-borne ultraviolet stellar echelle spectrograph (A), JOSA 66: 1096

Balloon-borne ultraviolet stellar echelle spectrograph (E), AO 17: 604

Fixed-angle three-wavelength nephelometer for balloon use (A), JOSA 66: 1088

*In situ* photometric observations of angular scattering from atmospheric aerosols (E), AO 15: 2520

## Barium

Absorption spectrum of Ba I between 1770 and 1560 Å (TE), JOSA 68: 817

Absorption spectrum of Ba II in the vacuum ultraviolet (E), JOSA 66: 1400

Atomic diamagnetism and magnetically induced configuration mixing in laser-excited barium (A), JOSA 68: 551

Bound, odd-parity  $J = 1$  spectra of the alkaline earths: Ca, Sr, and Ba (TE), JOSA 69: 211

Diamagnetic effect of autoionizing resonances in atoms (A), JOSA 68: 1446

Extensions to the spectrum of singly ionized barium (Ba II) (E), JOSA 65: 829



Four-wave mixing in barium (A), JOSA 65: 1180  
*gf* value of the intercombination line of barium, Ba I (E) (L), JOSA 68: 535  
 Ionization studies in Ba vapor (A), JOSA 68: 1412  
 Ionization studies in Ba vapor via stimulated electronic Raman scattering in Ba<sup>+</sup> (A), JOSA 68: 1631  
 Oscillator strength of the barium 6s6p <sup>1</sup>P<sub>1</sub>-6s5d <sup>1</sup>D<sub>2</sub> transition inferred from photodeflection efficiency (TE), JOSA 66: 416  
 Oscillator strength of the barium 6p5d <sup>1</sup>P<sub>1</sub>-5d<sup>2</sup> <sup>1</sup>D<sub>2</sub> transition (E), JOSA 66: 420  
 Quantum-defect analysis of the effects of *np*<sup>2</sup> terms on the singlet terms of alkaline earths and of their isoelectronic sequences (T), JOSA 64: 706  
 Resonance lines and energy levels of Cs III, Ba IV, and La V (ET), JOSA 66: 590  
 Resonance lines of Cs II, Ba III, and La IV (E), JOSA 65: 638  
 Spectroscopy of even-parity autoionizing states of Ba (A), JOSA 68: 1412  
 Spectroscopy of even-parity autoionizing levels in Ba (ET), OL 4: 106  
 Spectroscopy of <sup>3</sup>P<sup>0</sup> states of Ba (A), JOSA 67: 1417  
 Structure of saturation resonances induced by laser optical pumping in atomic barium (A), JOSA 68: 649

## Beams

See also Lasers  
 Acoustical wave effects on the beam quality of a high energy CO electric discharge laser (E), AO 14: 1290  
 Active autofocusing using an apertured Gaussian beam (TE), AO 15: 2095  
 Algebraic model for cw thermal-blooming effects (T), AO 18: 2638  
 Analysis of waveguided Gaussian beams coupled by misaligned or curved gratings (T), JOSA 69: 1235  
 Apparatus to transform a single laser beam into two parallel beams of adjustable spacing and intensity (P), AO 16: 2790  
 Application of the boundary-diffraction-wave theory to Gaussian beams (A), JOSA 64: 527  
 Application of the boundary-diffraction-wave theory to Gaussian beams (T), JOSA 64: 1545  
 Approximate optical system model (T), AO 15: 1075  
 Beam and Fiber Optics. By J. A. Arnaud (B), Reviewed by Meyer-Arendt, Jurgen R., AO 16: 270  
 Beam and Fiber Optics. By J. A. Arnaud (B), Reviewed by Pask, Colin; Snyder, Allan W., JOSA 67: 1693  
 Beam deflection in a pulsed chemical laser amplifier (ET), AO 18: 869  
 Beam diagnostics for high energy pulsed CO<sub>2</sub> lasers (E), AO 13: 314  
 Beam displacement of a reflected beam at an interface between an inhomogeneous medium and free space (T), JOSA 68: 1592  
 Beam scanning and wavelength modulation of diode lasers (A), JOSA 68: 1434  
 Beam wave two-frequency mutual-coherence function and pulse propagation in random media: an analytic solution (T), AO 18: 1613  
 Biprism and cylindrical lenses to convert Gaussian beam into a uniform one (P), AO 18: 3358  
 Boresighting a Gaussian beam on a specular target point: method using conical scan (TE), AO 15: 656  
 Characteristics of holographic scanner utilizing a concave AR (A), JOSA 69: 1481  
 Characteristics of phase-aberrated nondiffraction-limited laser beams (T), AO 13: 1065  
 Complex-waist Gaussian beams and unstable resonators (T) (L), AO 14: 2805  
 Computer program for far-field performance evaluation of a laser-beam expander (A), JOSA 64: 564  
 Computer program for propagation of an optical beam through an optical system (A), JOSA 67: 1394  
 Correcting inherent aberrations in the grating rhomb beam sampler (T), AO 18: 4178  
 Correlation and structure functions for arbitrary optical beams in a random medium (T) (L), JOSA 68: 536  
 Damage threshold variation with spot size at 10.6  $\mu$ m for Kalvar and Polaroid films (E) (L), AO 18: 424  
 Density perturbations in transonic sluing laser beams (T), AO 14: 2238  
 Design of optics for irradiance redistribution of laser beams (A), JOSA 69: 1456  
 Diffracted waves in the shadow boundary region (T), JOSA 67: 551  
 Diffraction of Gaussian beams by periodically modulated media for incidence close to a Bragg angle (T) (L), JOSA 66: 1438  
 Diffraction of optical beams with arbitrary profile by a periodically modulated layer (A), JOSA 68: 1371  
 Diffractive ray tracing of laser beams (T), JOSA 66: 1368  
 Directional change of beams undergoing partial reflection (T) (L), JOSA 67: 703  
 Directionality of Gaussian Schell-model beams (A), JOSA 68: 1410  
 Divergence of high order Gaussian modes (TE) (L), AO 14: 2346  
 Efficient generation of laser beams with an elliptic cross section: comments on (E) (L), AO 13: 1274  
 Electron, ion and photon beam technology symposium, Colorado Springs, 21-23 May 1975 (N), AO 13: 2060  
 Electro-optic waveguide beam deflector (P), AO 15: 1888  
 Excitation of fundamental and low-order modes of optical fiber waveguides by Gaussian beams. I: Tilted beams (T), AO 13: 1893  
 Far field of a Gaussian beam (T), JOSA 69: 761  
 Far field of a Gaussian beam (T): reply (L), JOSA 69: 910  
 Focus errors in laser beam divergence measurements (T) (L), AO 17: 685  
 Focusing of laser beams by a sequence of irises (A), JOSA 67: 1438  
 Focusing of laser beams by a sequence of irises (TE), AO 18: 875  
 Focusing properties of an aberrated laser beam (T), AO 15: 1458  
 Forward scattering corrections for aerosol extinction measurements (A), JOSA 67: 1370  
 Free-space propagation of an aberrating Gaussian beam (T), AO 17: 2516  
 Gaussian beam modes by multipoles with complex source points (T) (L), JOSA 67: 699  
 Gaussian beam propagation beyond the paraxial approximation (T), JOSA 69: 575  
 Gaussian beam propagation in thin film waveguides (T) (L), AO 17: 2134  
 Gaussian beams in gradient index fibers viewed as coherent states (A), JOSA 69: 1473  
 Gaussian laser beam broadening in scattering medium (A), JOSA 69: 1412  
 Generalized Gaussian beams in free space (T), JOSA 67: 1274  
 Generalized spot size for a higher-order beam mode (T), JOSA 69: 578  
 Generation of highly directional beams from quasi-homogeneous optical sources (A), JOSA 69: 1414  
 Graphical aid to the transformation of a laser beam by a thin lens (T) (L), AO 14: 2347  
 High-energy laser beam propagation through water droplets (A), JOSA 68: 1357  
 High-resolution saturated absorption of the <sup>1</sup>S<sub>0</sub>-<sup>3</sup>P<sub>1</sub> calcium transition in an atomic beam (A), JOSA 68: 1634  
 Holographic beam scanner with concentric reflector (A), JOSA 69: 1481  
 Image chopping techniques for fast measurement of irradiance distribution parameters (T), AO 18: 389  
 Implementations of phase-coded reference beams for multiplex holography (A), JOSA 68: 1443  
 Influence of Gaussian beam properties on laser Doppler signals (ET), AO 18: 516  
 Intensity redistribution (A), JOSA 69: 1456  
 Is complete spatial coherence necessary for the generation of highly directional light beams? (T), OL 2: 27  
 Isoline approach to portraying atmospheric turbulence induced laser beam spread (T), AO 16: 1606  
 Knife-edge profiling of Q-switched Nd:YAG laser beam and waist (E) (L), AO 18: 599  
 Laser beam broadening and polarization in dense fogs (A), JOSA 67: 1369  
 Laser beam broadening in aerosol media (A), JOSA 67: 260  
 Laser beam distribution in the focal region (E) (L), AO 17: 2673  
 Laser beam divergence utilizing a lateral shearing interferometer (TE), AO 16: 2753

Laser-beam-expander lens that avoids specular-reflection feedback (A), JOSA 64: 565  
 Laser beam profile measurements using spatial sampling, Fourier optics, and holography book (N), AO 18: 2036  
 Laser beam scanners constructed from volume holograms (A), JOSA 69: 1481  
 Laser beam steerer-expander (T), AO 17: 3584  
 Laser lightning rod system: thunderstorm domestication (TE), AO 13: 2292  
 Laser monochromator of a relativistic proton beam with resolution and accuracy up to 2  $\times 10^5$  (A), JOSA 68: 1632  
 Laser recording with truncated Gaussian beams (A), JOSA 68: 1436  
 Laser recording with truncated Gaussian beams (T), AO 18: 2143  
 Lensless measurement of Gaussian laser beam divergence (A), JOSA 68: 1436  
 Lensless method of measuring Gaussian laser beam divergence (ET) (L), AO 17: 3527  
 Light scattering in converging beams (T), OL 1: 138  
 Linear and nonlinear propagation characteristics of spatially shaped laser beams (A), JOSA 64: 562  
 Linear, annular, and radial focusing with axicons and applications to laser machining (ET), AO 17: 1532  
 Linear optical Ramsey resonance by means of a spatially modulated molecular beam (A), JOSA 68: 1634  
 Measurement of the Gaussian laser beam divergence (E) (L), AO 16: 1481  
 Measurement of the  $\mu$ m sized radius of Gaussian laser beam using the scanning knife-edge (E) (L), AO 14: 2809  
 Microbeam Analysis Society, 9th annual conference, Carleton University, 22-26 Jul 1974 (M), Reported by Kane, W. T., AO 14: 798  
 Mirror system for uniform beam transformation in high-power annular lasers (T), AO 17: 2917  
 Nomographs for Gaussian beams (ET), AO 18: 2827  
 Observation of dipole forces exerted on atoms by intensity gradients of resonant light (A), JOSA 68: 1623  
 Observation of ultranarrow Ramsey fringes in two-photon transitions to Rydberg levels in a rubidium atomic beam (A), JOSA 68: 1635  
 Open beam waveguides: theory (T), AO 14: 1565  
 Optical beam calculations using the fast Hankel transform (A), JOSA 68: 1436  
 Optical beam propagation for a partially coherent source in the turbulent atmosphere (T), JOSA 69: 1297  
 Optical beam shaping devices using polarization effects (ET), AO 13: 1629  
 Optical beam steering system (P), AO 18: 3713  
 Optical field mapping using single-mode optical fibers (E), AO 17: 1965  
 Optimizing the beam shape in a focused coherent optical system method (TE), AO 13: 1633  
 Ordinary paper for position determination of intense laser pulse (E) (L), AO 18: 4063  
 Partially coherent sources, highly directional beams, and Fourier optics (A), JOSA 69: 1414  
 Physical optics propagation code (A), JOSA 67: 1438  
 Physics of Charged-Particle Beams. By J. D. Lawson (B), Reviewed by Hawkes, P. W., AO 17: 2861  
 Piezoelectric stack for beam control (E) (L), AO 16: 1468  
 Precision laser beam-shaping apertures (A), JOSA 66: 388  
 Propagation of laser beams having an on-axis null in the presence of thermal blooming (T), JOSA 66: 1384  
 Propagation of pulsed beam waves through turbulence, cloud, rain, or fog (T), JOSA 67: 1261  
 Propagation of truncated Gaussian beams in multimode fiber guides (T), JOSA 68: 989  
 Quasi-homogeneous Gaussian light beams (A), JOSA 69: 1413  
 Ray-optical analysis of unstable resonators with spherical mirrors (T), JOSA 69: 1377  
 Reconstruction fidelity from volume holograms of finite width and variable index modulation (T), JOSA 69: 496  
 Ring pattern of a lens-axicon doublet illuminated by a Gaussian beam (TE), AO 17: 1080



- Scattering of electromagnetic beams by spherical objects (T), JOSA 68: 763
- Semiempirical model of laser beam propagation in turbulence (A), JOSA 67: 1376
- Short-term average irradiance profile of an optical beam in a turbulent medium (T), AO 15: 2922
- Simple methods for the measurement of laser beam parameters (E) (L), AO 13: 1276
- Simplified analysis for high-energy laser propagation (T), JOSA 68: 750
- Sub-Doppler resolution spectroscopy of supersonic molecular beams of nitric oxide (A), JOSA 68: 625
- Temporal moments of pulsed beam waves in turbulent media (A), JOSA 68: 540
- Thermal blooming of a rapidly moving laser beam (T), AO 15: 218
- Thermal blooming of repetitively pulsed laser beams (T), JOSA 64: 1651
- Thermally induced errors in diffractive beam sampling (A), JOSA 69: 1405
- Transmission and reflection of a Gaussian beam at oblique incidence on a dielectric slab (T), JOSA 67: 819
- Ultraviolet lasers pumped by intense proton beams (A), JOSA 68: 1646
- Variable attenuator for Gaussian laser beams (TE), AO 17: 3840

## Beam splitters

- Apodized aperture using frustrated total reflection (E) (L), AO 14: 2810
- Beam dividers with 180° differential phase shift (A), JOSA 69: 1437
- Beam separating prism system (P), AO 18: 3872
- Beam-splitter and cell-window errors in fluorescence spectrometry (ET), AO 18: 4134
- Beam splitter for infrared detection of pollutants (P), AO 16: 2596
- Birefringent polarization-independent beam splitter for the submillimeter (A), JOSA 67: 1419
- Birefringent polarization-independent beam splitter (TE), AO 18: 3111
- Compound interlaced grating development (A), JOSA 68: 1404
- Compound interlaced grating in high-energy laser systems (A), JOSA 67: 1420
- Coupled-wave theory for multiply exposed thick holographic gratings (TE), JOSA 65: 724
- Dichroic components for high energy CO<sub>2</sub> lasers (A), JOSA 66: 166
- Diffraction grating beam splitter (P), AO 15: 1358
- Far-infrared thin-film beam splitters: calculated properties (T), AO 14: 2473
- Instrumentation optimization in Fourier spectroscopy. 1: Far infrared beam splitters (T), AO 13: 1807
- Large aperture, wide spectral response, spherical beam-splitter mirrors (A), JOSA 68: 1442
- Laser polarizing beam splitter (P), AO 13: 11A26
- Michelson interferometer with frustrated-total-internal-reflection beam splitter (TE), JOSA 65: 124
- Mylar beam-splitter efficiency in far infrared interferometers: angle of incidence and absorption effects (ET), AO 17: 1055
- Optical system for effecting indication with a finder in a single lens reflex camera (P), AO 15: 2948
- Optics for high sensitivity color television camera (P), AO 13: 2438
- Polarization beam splitters for pumping of F II-center lasers (E), OL 4: 68
- Polarization-independent all-dielectric beamsplitter (A), JOSA 66: 1096
- Precision beam splitters for CO<sub>2</sub> lasers (E), AO 14: 647
- Rotating beam splitter for the extreme vacuum ultraviolet (E), AO 13: 1412
- Thin-film beam splitter for integrated optics (TE), JOSA 67: 533
- Use of Fourier coefficients in multilayer synthesis computations (T), JOSA 68: 964
- Variable amplitude polarizing beam splitter (P), AO 13: 11A26
- Wollaston prism as a beam splitter in convergent light (T) (L), AO 17: 3352

## Beryllium

- Atomic and molecular emission from microwave discharge through beryllium chloride (E), JOSA 65: 118

- Quantum-defect analysis of the effects of  $np^2$  terms on the singlet terms of alkaline earths and of their isoelectronic sequences (T), JOSA 64: 706

## Biographical notes

- See also History
- Abbot, Charles Greeley, JOSA 64: 260
- Ahrenkiel, Richard K., JOSA 67: 417
- Albanese, Andres, JOSA 66: 1142
- Alter, David, AO 15: 1572
- Alvarez, Luis W., JOSA 67: 263
- Andrews, Ronald A., JOSA 67: 713
- Arthur, John Morris, JOSA 65: 1158
- Azzam, Rasheed M. A., JOSA 68: 555
- Babits, Victor A., JOSA 66: 188
- Bage, Marc J., JOSA 66: 1446
- Baird, K. M., JOSA 66: 511
- Barchewitz, Pierre J., JOSA 67: 712
- Barrett, Harrison H., JOSA 67: 711
- Bashara, N. M., JOSA 67: 264
- Bashkin, Stanley, JOSA 67: 575
- Bass, Michael, JOSA 69: 925
- Bates, Harry E., JOSA 69: 1735
- Bechtold, Edwin W., JOSA 69: 925
- Benesch, William M., JOSA 67: 418
- Bethe, Hans, JOSA 67: 1710
- Birnbaum, Milton, JOSA 68: 874
- Bjorkholm, John E., JOSA 68: 555
- Blackwell, O. Mortenson, JOSA 67: 418
- Bradley, Daniel J., JOSA 66: 296
- Brandt, Gerald B., JOSA 67: 132
- Brashear, John A., AO 15: 1722
- Brewer, Richard G., JOSA 68: 874
- Bridges, William B., JOSA 67: 265
- Bridgman, Charles S., JOSA 65: 618
- Brode, Wallace Reed, JOSA 64: 1353
- Broida, Herbert P., JOSA 68: 1015
- Buckingham, A. David, JOSA 69: 1735
- Burkhardt, Dwight A., JOSA 69: 1734
- Burnett, Clyde R., JOSA 68: 719
- Byer, Robert L., JOSA 67: 265
- Cantrell, Cyrus D., JOSA 69: 924
- Cathey, Wade T., JOSA 69: 1734
- Caulfield, H. John, JOSA 66: 296
- Chance, Britton, JOSA 66: 296
- Chang, Tao-Yuan, JOSA 69: 1735
- Cheo, Peter K., JOSA 67: 265
- Compton, Arthur Holly, Scientific Papers of: X-Ray and Other Studies. 1. Edited by S. Shankland (B), Reviewed by Birks, L. S., AO 13: 2958
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- Condon, Edward U., JOSA 64: 1026
- Coolidge, William D., Birthday (100th) of (N), AO 13: 180
- Cowan, Robert D., JOSA 67: 266
- Crisp, Michael D., JOSA 66: 745
- Curnutte, Basil, Jr., JOSA 66: 189
- Davis, Raymond, JOSA 65: 104
- de Lange, Hendrik, JOSA 65: 617
- Delano, Erwin, JOSA 69: 1628
- Dennison, David Mathias, JOSA 66: 981
- Dodd, Laurence Ellsworth, JOSA 66: 401
- Dodt, Eberhard, JOSA 66: 296
- Dorsett, Henry Grady, Jr., JOSA 65: 618
- Doschek, George A., JOSA 67: 264
- Dreyfus, Marc G., JOSA 69: 1733
- Duntley, Seibert Q., JOSA 67: 577
- Edison, the Man Who Made the Future. By R. W. Clark (B), Reviewed by Howard, John N., AO 18: 3359
- Edison, Thomas Alva, AO 15: 1831
- Edison, Thomas Alva, AO 18: 3736
- Eisenhart, M. Herbert, JOSA 65: 861
- Evans, Ralph Merrill, JOSA 64: 735
- Fateley, William G., JOSA 66: 188
- Feldman, Uri, JOSA 68: 1014
- Feld, Michael S., JOSA 66: 511
- Feld, Michael S., JOSA 67: 575
- Felsen, Leopold B., JOSA 69: 1493
- Forsyth, James M., JOSA 67: 713
- Foster, Leon Victor, JOSA 66: 83
- Fox, A. Gardner, JOSA 68: 555
- Franken, Peter, JOSA 66: 82
- Frieden, B. Roy, JOSA 66: 189
- Gabel, Conger W., JOSA 66: 1142
- Gabor, Dennis, JOSA 69: 1736
- Garstang, Roy H., JOSA 69: 1734
- George, Nicholas, JOSA 67: 1447
- Giordmaine, Joseph A., JOSA 67: 712
- Glancy, Anna Estelle, JOSA 65: 1085
- Goodspeed, Arthur Willis, AO 15: 1807
- Gordon, Howard R., JOSA 68: 555
- Gouras, Peter, JOSA 69: 1049
- Grams, Gerald W., JOSA 67: 712
- Greguss, Pal, JOSA 69: 1627
- Greinel, Hermann Paul, JOSA 64: 1153
- Groh, Gunther, JOSA 69: 1189
- Guenther, Arthur H., JOSA 67: 132
- Gurski, Thomas R., JOSA 66: 1314
- Haensch, Theo W., JOSA 66: 189
- Hardy, Arthur Cobb, JOSA 67: 1710
- Harris, James L., Sr., JOSA 67: 577
- Hellwege, Karl-Heinz, JOSA 67: 264
- Helson, Harry, JOSA 68: 276
- Henry, Lucien R., JOSA 67: 711
- Hills, Robert, Jr., JOSA 69: 1048
- Hilton, Wallace A., JOSA 67: 265
- Hinkley, E. David, JOSA 67: 417
- Hirschfeld, Tomas, JOSA 68: 720
- Honey, Richard C., JOSA 68: 554
- Houghton, John T., JOSA 67: 711
- Hudson, Richard D., Jr., JOSA 66: 189
- Ingling, Carl R., Jr., JOSA 69: 1048
- Jacobs, Stephen F., JOSA 67: 712
- Jacobs, Theodore A., JOSA 68: 1014
- Jansson, Peter A., JOSA 67: 711
- Javan, Ali, JOSA 67: 575
- Jones, Robert A., JOSA 69: 1628
- Jones, Shannon, JOSA 65: 1085
- Jucys, A. P., JOSA 64: 1026
- Junkes, Joseph, JOSA 69: 1048
- Kaiser, Henrich, JOSA 67: 421
- Kaminow, Ivan P., JOSA 66: 189
- Karczewski, Bohdan, JOSA 69: 926
- Kattawar, George W., JOSA 67: 417
- Keck, Donald B., JOSA 69: 1321
- Kelly, Raymond L., JOSA 66: 189
- Kelvin Lord at King's Lynn in Norfolk (N), AO 15: 39
- Kingslake, Hilda G., JOSA 66: 82
- Kramer, Charles J., JOSA 66: 1446
- Lawrence, Robert S., JOSA 67: 418
- Lax, Benjamin, JOSA 67: 417
- LeConte, John, AO 15: 1814
- Leibowitz, Herschel W., JOSA 68: 874
- Lempicki, Alexander, JOSA 69: 1628
- Letokhov, V. S., JOSA 67: 575
- Levenson, Marc David, JOSA 67: 418
- Levich, William R., JOSA 68: 873
- Levinson, John Z., JOSA 68: 873
- Lippincott, Ellis Ridgeway, JOSA 65: 749
- Li, Tingye, JOSA 68: 1015
- Loomis, Francis Wheeler, JOSA 66: 1142
- Lotsch, Helmut, JOSA 69: 1047
- Loveland, Roger P., JOSA 69: 1627
- Lukosz, Walter, JOSA 69: 1048
- Macovski, Albert, JOSA 68: 1015
- Maiman, Theodore H., JOSA 67: 575
- Makous, Walter, JOSA 69: 1628
- Malacara, Daniel, JOSA 66: 400
- Marcuse, Dietrich, JOSA 68: 874
- Marom, Emanuel, JOSA 69: 1734
- Massey, Gail A., JOSA 69: 1627
- Matter, John C., JOSA 66: 1142
- McFarlane, Ross A., JOSA 69: 1733
- McMahon, Daniel J., JOSA 65: 224
- Meier, Rudolf H., JOSA 69: 1629
- Memorial papers (N), AO 13: 473
- Menzel, Erich, JOSA 68: 1015
- Meyer, Edgar Jaffa, JOSA 65: 1530
- Michelson, Albert A., Master of Light: A Biography. By Dorothy Michelson Livingston (B), Reviewed by Lovell, D. J., AO 13: 10A18
- Migeotte, Marcel V. L. G., JOSA 66: 400
- Miller, Stewart Edward, JOSA 68: 874
- Miller, William H., JOSA 66: 189
- Millikan, Robert Andrews, AO 15: 1774
- Mogey, William D., JOSA 65: 974
- Mohler, Fred Loomis, JOSA 65: 618
- Molnar, Julius Paul, JOSA 64: 578
- Mooradian, Aram, JOSA 68: 875
- Morse, Philip M., JOSA 67: 987
- Mulliken, Robert S., Selected Papers of. Edited by D. A. Ramsey and J. Hinze (B), Reviewed by Gold, Albert, JOSA 66: 508
- Murcray, David G., JOSA 67: 713
- Narducci, Lorenzo M., JOSA 69: 924
- Nicholls, Ralph W., JOSA 69: 1493
- Nielsen, Jens Rud, JOSA 69: 1321
- Nimeroff, Isadore, JOSA 68: 719
- O'Bryan, Henry M., JOSA 67: 712
- Ogawa, Masaru, JOSA 65: 618
- Ogle, Harlan Vance, JOSA 64: 578
- Palik, Edward D., JOSA 67: 265
- Pao, Yoh-Han, JOSA 66: 297
- Pappu, S. V., JOSA 69: 1493
- Patel, C. K. N., JOSA 67: 576



- Planck, Max, a bibliography of his nontechnical writings (N), AO 16: 2162
- Plyler, Earle Keith, JOSA 66: 982
- Pollack, Martin A., JOSA 69: 925
- Polster, Harry DeLeon, JOSA 65: 471
- Querry, Marvin R., JOSA 66: 296
- Riggs, Lorrin A., JOSA 67: 133
- Riggs, Lorrin A., JOSA 67: 716
- Roetling, Paul G., JOSA 69: 925
- Rubinstein, Charles B., JOSA 68: 555
- Russell, Henry Norris, AO 17: 2761
- Rutherford correspondence cataloged (N), AO 13: 745
- Rutherford, Lewis Morris, AO 15: 1731
- Sato, Heihachi, JOSA 66: 1142
- Sawyer, Ralph A., JOSA 69: 1633
- Schawlow, Arthur L., AO 17: 2547
- Schober, Herbert, JOSA 66: 745
- Scidmore, Wright H., JOSA 67: 419
- Scifres, Donald R., JOSA 68: 1014
- Scully, Marlan O., JOSA 66: 400
- Sears, Francis Weston, JOSA 66: 1446
- Segar, Douglas A., JOSA 67: 1447
- Series, George W., JOSA 66: 400
- She, Chiao-Yao, JOSA 67: 419
- Shenker, Martin, JOSA 69: 1628
- Sheppard, Norman, JOSA 69: 1321
- Shimoda, Koichi, JOSA 69: 1629
- Siegmund, Anthony E., JOSA 66: 83
- Silverman, Shirley, JOSA 68: 719
- Silvey, Oscar William, JOSA 64: 409
- Smith, F. Dow, JOSA 66: 511
- Smith, P. W., JOSA 68: 720
- Smith, Robert A., JOSA 67: 576
- Snyder, Harry L., JOSA 66: 297
- Spencer, Charles Douglas, JOSA 65: 1085
- Spencer, Gordon H., JOSA 67: 417
- Spiro, Irving J., JOSA 69: 1735
- Stavroudis, Orestes N., JOSA 67: 264
- Steffen, Juerg, JOSA 67: 712
- Stenstrom, K. Wilhelm, JOSA 65: 974
- Stoicheff, Boris P., JOSA 66: 82
- Strait, Louis Avrom, JOSA 65: 974
- Stratton, Samuel Wesley, AO 15: 1831
- Sugar, Jack, JOSA 66: 82
- Swindell, William, JOSA 67: 264
- Tabor, Lewis Pearson, JOSA 65: 618
- Tako, Toshiharu, JOSA 67: 711
- Tamir, Theodore, JOSA 66: 296
- Teele, Ray Palmer, JOSA 64: 895
- Teller, Davida Y., JOSA 69: 924
- Thekaekara, Matthew P., JOSA 67: 421
- Thomas Bartholomew Dowd, JOSA 65: 1530
- Thorburn, Eugene K., JOSA 69: 923
- Tien, Ping King, JOSA 66: 400
- Tilton, Leroy William, JOSA 64: 1351
- Toth, Robert A., JOSA 67: 419
- Tricoles, Gus P., JOSA 69: 1189
- Ulrich, Reinhard, JOSA 69: 1048
- Vandenbelt, John M., JOSA 67: 265
- Vandenbelt, John M., JOSA 67: 421
- Vedam, Kuppaswamy, JOSA 66: 401
- Vlad, Valentin I., JOSA 69: 1733
- Walraven, Pieter L., JOSA 66: 296
- Wasserman, Gerald S., JOSA 69: 924
- Webb, Harold Worthington, JOSA 65: 362
- Weber, Heinz P., JOSA 67: 576
- Wells, Franklin Henry, JOSA 65: 1159
- Whinnery, John R., JOSA 68: 556
- Willey, Ronald R., JOSA 69: 1733
- Williams, Dudley, JOSA 67: 132
- Windle, Maurice L., JOSA 65: 974
- Wintringham, William T., JOSA 66: 82
- Wolf, Emil, JOSA 66: 82
- Wolter, Hans, JOSA 69: 1050
- Wooters, Glenn C., JOSA 66: 401
- Worden, Earl F., Jr., JOSA 68: 555
- Wyatt, Philip J., JOSA 66: 400
- Yen, William Mao-Shung, JOSA 68: 874
- Young, Andrew T., JOSA 67: 418
- Young, Louise Gray, JOSA 67: 264
- Yura, Harold T., JOSA 66: 401
- Zuev, Vladimir E., JOSA 67: 713

## Biology

- Accuracy of RGD approximation for computing light scattering properties of diffusing and motile bacteria (T), AO 18: 2470
- Applications of optical mixing spectroscopy to problems in medicine and biology (A), JOSA 65: 1162
- Asymptotic nature of grass canopy spectral reflectance (E), AO 16: 1151
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- Chemical and Biochemical Applications of Lasers, Volume 1. Edited by C. B. Moore (B), Reviewed by Kaldor, Andrew, AO 14: 2311
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- Chlorophyll gradient map from high-altitude ocean-color-scanner data (E) (L), AO 18: 3715
- Classification of biological data with an optical-digital processor (A), JOSA 67: 1382
- Classifying biological cells (P), AO 15: 1347
- Classifying biological cells (P), AO 18: 3358
- Correlation of the spectral distribution of selected phototherapy light sources with erythral action spectra (A), JOSA 64: 537
- Detection of the vacuole of yeast cells in suspension by transmittance radiometry (ET), AO 18: 3615
- Differential counting of leukocytes and other cells (P), AO 15: 1347
- Discrete absorptions and emissions in crop spectra (E) (L), AO 17: 493
- Dynamics of structural changes in biological particles from rapid light scattering measurements (ET), AO 18: 303
- Effects of asphericity on single particle scattering (T), AO 17: 3152
- Effects of changing canopy directional reflectance on feature selection (T), AO 13: 1599
- Effects of light upon circadian rhythms (A), JOSA 64: 534
- Estimation of soil moisture and components by measuring the degree of spectral polarization with a remote sensing simulator (E), AO 17: 3439
- Excited States of Biological Molecules. Edited by J. S. Birks. (B), Reviewed by Breiter, Dennis N., AO 16: 795
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- Exciton dynamics in photosynthetic membranes (A), JOSA 68: 691
- Flow-system multi-angle light-scattering instrument for biological cell characterization (A), JOSA 65: 1170
- Flow-systems diagnostic technology (A), JOSA 66: 381
- Fluorescence polarization microscope for automatic screening of membrane fluidity of individual cells (E), AO 16: 564
- Fourier optical approach to the extraction of morphological parameters from the diffraction pattern of biological cells (TE), AO 17: 2754
- Fourier transform analysis of algae (A), JOSA 68: 1415
- Government industry data exchange program provides a single data base for life cycle planning (N), AO 14: 2314
- Hand-held spectral radiometer to estimate graminaceous biomass (E), AO 15: 416
- Holographic motion pictures of microscopic plankton (E), AO 17: 951
- Hybrid optical-digital radiography-based system for lung disease detection (E), AO 16: 2637
- Influence of measured reflection properties of vegetated surfaces on atmospheric radiance and its polarization (T), AO 17: 260
- Insects as unidentified flying objects (ET), AO 17: 3355
- Insects as unidentified flying objects: comment (TE) (L), AO 18: 2723
- Insects as unidentified flying objects: author's reply to comment; 1 (TE) (L), AO 18: 2724
- Insects as unidentified flying objects: author's reply to comments; 2 (T) (L), AO 18: 2725
- In situ* contamination detection using light scattering (A), JOSA 66: 1124
- In situ* quantum efficiency of oceanic photosynthesis (T), AO 18: 442
- I wonder where the yellow went (A), JOSA 64: 534
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- Leaf optical system modeled as a stochastic process (TE), AO 16: 635
- Light scattering from biological cells: dependence of backscatter radiation on membrane thickness and refractive index (T) (L), AO 18: 585
- Light scattering from red blood cell ghosts: sensitivity of angular dependent structure to membrane thickness and refractive index (T) (L), AO 16: 2036
- Light scattering from single particles and biological cells in a flow system (A), JOSA 67: 1382
- Light-scattering pattern measurements 360° in a flow system (A), JOSA 67: 1381
- Likely effects of solar elevation on the quantification of changes in vegetation with maturity using sequential Landsat imagery (E) (L), AO 16: 521
- Measured spectral bidirectional reflection properties of four vegetated surfaces (E), AO 17: 253
- Measurement of the velocity of blood flow (in vivo) using a fiber optic catheter and optical mixing spectroscopy (E), AO 14: 189
- Mie scattering, Maxwell Garnett theory, and the Giaeuer immunology slide (ET), AO 15: 2746
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- Optical detection of neonatal jaundice (A), JOSA 64: 537
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- Photochemistry and photometabolism of bilirubin (A), JOSA 64: 537
- Photocounting distributions for exponentially decaying sources (T), OL 4: 146
- Photodynamic action of bilirubin on erythrocytes (A), JOSA 64: 537
- Photodynamic therapy of malignant tumors (A), JOSA 64: 534
- Picosecond spectroscopy in biology and medicine (A), JOSA 68: 1382
- Plant canopy information extraction from composite scene reflectance of row crops (TE), AO 18: 3775
- Plant canopy light absorption model with application to wheat (TE), AO 17: 2629
- Practical application of light and color to human environment (A), JOSA 64: 538
- Pumping frequency for the 17- $\mu$ m i emission from the cabbage looper moth sex scent (pheromone) (E) (L), AO 16: 1476
- Radiometry of phototherapy (A), JOSA 64: 536
- Refractive index of plant cell walls (ET), AO 13: 109
- Rotational matched spatial filter for biological pattern recognition (A), JOSA 69: 1451
- Rotational-translational models for interpretation of quasi-elastic light scattering spectra of motile bacteria (TE), AO 17: 3197



- Scanning acoustic microscope (A), JOSA 68: 1382
- Scattering techniques to detect and record various human cell types (A), JOSA 66: 387
- Scope of photobiology (A), JOSA 64: 533
- Sensation and Perception: An Integrated Approach. By Harvey Richard Schiffman (B), Reviewed by Harvey, Lewis O., Jr., JOSA 67: 414
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- Single pulse picosecond fluorescence studies in bacteriorhodopsin (A), JOSA 68: 692
- Solid state organic (pheromone-beeswax) far infrared maser (E), AO 16: 1557
- Structural effects in quasi-elastic light scattering from motile bacteria of *E. coli* (ET), AO 17: 1930
- Suits reflectance models for wheat and cotton: theoretical and experimental tests (TE), AO 16: 407
- Tapping modulation of the far infrared (17- $\mu$ m region) emission from the cabbage looper moth pheromone (sex scent) (ET), AO 16: 3098
- Thermodynamic analysis of laser irradiation of biological tissue (TE), AO 17: 3948
- Tracking bacterial movements using a one-dimensional fringe system (E), OL 2: 109
- Transmittance: an index to shape changes of blood platelets (T) (L), AO 14: 2324
- Tuning in to Nature. By Philip S. Callahan (B), Reviewed by Howard, John N., AO 16: 3063
- Use of lasers in medicine (A), JOSA 64: 534
- Velocity measurements of blood flow in the capillary and vein using a laser Doppler microscope (E) (L), AO 14: 2326
- Wheat spectral reflectance: interactions between crop configuration, sun elevation, and azimuth angle (E) (L), AO 18: 3730
- ### Birefringence
- Air-flow-birefringence measurement (E), JOSA 65: 1319
- Alterable photodichroic treated glasses (A), JOSA 68: 1396
- Angular momentum dependence of laser-induced birefringence and dichroism in atomic resonance lines (T), JOSA 68: 1184
- Atmospheric birefringence under wind speed gradient shear (E), JOSA 68: 471
- Birefringence and dichroism in invertebrate photoreceptors (T) (L), JOSA 65: 221
- Birefringence and optical activity in single-mode fibers (A), JOSA 67: 707
- Birefringence in elliptically clad borosilicate single-mode fibers (ET), AO 18: 4080
- Birefringence measurement using a photoelastic modulator (E), AO 18: 3996
- Birefringence of elliptical clad single polarization fibers (A), JOSA 68: 1407
- Birefringent coupler for integrated optics: comment (T) (L), AO 14: 1481
- Birefringent polarization-independent beam splitter (TE), AO 18: 3111
- Birefringent waveguides prepared by reactive sputtering of niobium in  $O_2$ - $N_2$  mixtures (E) (L), AO 15: 607
- Collision-induced rotational Raman scattering (T), OL 1: 220
- Depolarization of white light by a birefringent crystal (T), JOSA 65: 248
- Dynamic programming, Fermat's principle, and the eikonal equation for anisotropic media (T), JOSA 64: 317
- Electromagnetic propagation in birefringent layered media (T), JOSA 69: 742
- Fiber Faraday circulator (A), JOSA 69: 1483
- Fiber-ring interferometer: polarization analysis (ET), OL 4: 152
- Form and intrinsic birefringence (T), JOSA 65: 238
- High frequency polarization modulation method for measuring birefringence (E), AO 14: 757
- Implications of concurrent optical activity and electric-field-induced birefringence for Pockels readout optical modulator performance (A), JOSA 68: 1449
- Improvement of birefringent filters. 3: Effect of errors on wide field elements (T), AO 14: 445
- Interferometric null method for measuring stress-induced birefringence (E), AO 13: 1660
- Intrinsic shape and configurational birefringence (T), JOSA 69: 1199
- Kinematic and dynamic light scattering from the periodic structure of a chiral smectic C liquid crystal (TE), JOSA 68: 1217
- Laser-induced birefringence in polar liquids (ET) (L), JOSA 66: 372
- Laser studies of internal conical diffraction. I. Quantitative comparison of experimental and theoretical conical intensity distribution in aragonite (TE), JOSA 68: 1093
- Laser studies of internal conical diffraction. II. Intensity patterns in an optically active crystal,  $\alpha$ -iodic acid (TE), JOSA 68: 1098
- Linear picosecond pulse shaping technique (A), JOSA 68: 1435
- Lyot depolarizer in quasimonochromatic light (T), JOSA 69: 460
- Magneto-optic effects in garnet thin film waveguides (ET) (L), AO 14: 1479
- Methods for determining the optical parameters of elliptic retarders (TE), JOSA 65: 1279
- Modes of a laser resonator containing tilted birefringent plates (T), JOSA 64: 447
- Multiple internal reflections within birefringent crystals (A), JOSA 68: 1405
- New method to measure stress-induced birefringence in an opaque material: stress-induced Raman scattering (E), JOSA 68: 523
- New optical phenomena in birefringent layered media (A), JOSA 68: 1423
- Nonlinear optical birefringence gratings in nematic liquid crystals at Fredericksz transitions (A), JOSA 68: 1624
- Numerical solution for the evolution of the ellipse of polarization in inhomogeneous anisotropic media (T) (L), JOSA 64: 731
- Observing the sun with a fully tunable Lyot-Ohman filter (E), AO 14: 2061
- Optical activity of tellurium to 20  $\mu$ m (E) (L), JOSA 65: 217
- Optics of bianisotropic media (A), JOSA 64: 528
- Optics of bianisotropic media (T), JOSA 64: 1304
- Orientation of crystals by extinction between crossed linear polarizers (ET) (L), AO 14: 809
- Polarization eigenstate measurement scheme for the discriminations of concurrent optical activity and electric-field-induced birefringence (A), JOSA 68: 1449
- Polarization scrambling using a photoelastic modulator: application to circular dichroism measurement (TE), JOSA 65: 1031
- Propagation of partially polarized light through anisotropic media with or without depolarization: a differential  $4 \times 4$  matrix calculus (T), JOSA 68: 1756
- Reciprocity of birefringent single-mode fibers for optical gyros (T) (L), AO 18: 2096
- Relation between piezo-optical and thermo-optical properties of crystals (T), JOSA 64: 944
- Simultaneous measurement of linear and circular birefringence in crystals (A), JOSA 65: 1168
- Single-sideband generator for  $CO_2$  lasers (A), JOSA 66: 1094
- Stress-optic coefficients of ZnSe (E), AO 14: 2432
- Temperature coefficients of the indices of refraction and of the birefringence in cadmium sulphide (E), JOSA 67: 190
- Theory of light reflection by cholesteric liquid crystals possessing a pitch gradient (T), JOSA 69: 1017
- Theory of light reflection by cholesteric liquid crystals possessing a tilted structure (T), JOSA 69: 1509
- Variable bandshapes in birefringent acousto-optical diffraction in  $LiNbO_3$  (A), JOSA 66: 1094
- Variable refractive index and birefringent waveguides by sputtering tantalum in  $O_2$ - $N_2$  mixtures (E), AO 14: 2194
- ### Bismuth
- Optical constants from the far infrared to the x-ray region: Mg, Al, Cu, Ag, Au, Bi, C, and  $Al_2O_3$  (E) (L), JOSA 65: 742
- Optical constants of the constituents of manganese-bismuth films (E), JOSA 64: 1456
- ### Bistability
- Analytic study of optical bistability in a standing wave cavity (A), JOSA 69: 1422
- Bistability and other nonlinear characteristics of the photoconductor-twisted nematic liquid crystal device with optical feedback (A), JOSA 69: 1422
- Multiple stable levels in a liquid crystal light valve using optical feedback (A), JOSA 69: 1422
- Optical bistability at a nonlinear interface (A), JOSA 69: 1421
- Optical bistable switching using frequency modulation (A), JOSA 69: 1421
- Steady-state analysis of a modified bistable optical system (A), JOSA 69: 1421
- Theory of bistability in nonlinear distributed feedback structures (A), JOSA 69: 1421
- ### Blackbodies
- Angular properties of blackbody simulators (T), AO 14: 2665
- Approach for the design of blackbody simulators (L), AO 14: 249
- Blackbody images from ambient temperature gases (A), JOSA 67: 1420
- Blackbody temperature for threshold visibility (ET) (L), AO 13: 221
- Brewster angle light trap (E) (L), AO 16: 2352
- Cavity radiators: an ecumenical theory (T), AO 15: 84
- Evaluation of nonisothermal semi-infinite cylinder with specularly reflecting walls as a blackbody source (T), AO 13: 593
- Local effective emissivity of conical cavities (T), AO 18: 3810
- Low-temperature blackbody for calibrating wide-field-of-view radiometers (A), JOSA 64: 546
- Radiation pattern for a diffuse wall cavity, nonuniform in temperature and emissivity (T) (L), AO 16: 2038
- Radiation slide rules and calculators (N), AO 18: A85
- Radiometric properties of isothermal, diffuse wall cavity sources (T), AO 13: 2142
- Spatial distribution of the apparent spectral emissivity of a freezing-point blackbody with Lambertian walls (A), JOSA 65: 1179
- Spectral radiant exitance of a nonisothermal cavity radiator (TE) (L), AO 18: 758
- Vacuum ultraviolet radiation scales: an accurate comparison between plasma blackbody lines and synchrotron radiation (E), AO 16: 2477
- ### Bolometers
- Improvements on "low-temperature dielectric bolometer" (TE), JOSA 64: 820
- Improvements on "low-temperature dielectric bolometer" (errata), JOSA 64: 1730
- Noise-equivalent power and response time of TlSe bolometer at 1.5 K (TE), JOSA 65: 831
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- Zoom Lenses. By A. D. Clark, Reviewed by Sinclair, Douglas C., AO 14: 790
- Zoom Lenses. By A. D. Clark, Reviewed by Kingslake, Rudolf, JOSA 64: 1152

## Boron

- Absorption spectrum of B I in the 1350–1900-Å region (E), JOSA 64: 877
- Beam-foil measurements of mean lives on B IV and B V below 450 Å (E) (L), JOSA 68: 998

## Bromine

- Atomic-state densities of Ne I levels and  $N_f$  values of Br II levels in Ne-Br<sub>2</sub> mixtures (E), JOSA 68: 259
- Atomic-state densities of Ne metastable and Br resonant levels in a Ne-Br<sub>2</sub> mixture (E) (L), JOSA 64: 1720
- Beam-foil spectroscopy of bromine from 450 to 1000 Å (E), JOSA 67: 162
- Beam-foil spectroscopy of bromine from 450 to 1000 Å (errata), JOSA 67: 853
- Effect of continuum configuration interaction on the position of  $sp^6$  in neutral chlorine and other halogens (T), JOSA 64: 1474
- Multiconfiguration Hartree-Fock study of the interaction between  $sp^6$  and  $s^2p^4d$  in the Cl I, Br I, and I I isoelectronic sequences with particular emphasis on the neutral halogens (T), JOSA 67: 754
- Position of the  $sp^6$  configuration in the neutral halogens (ET) (L), JOSA 64: 1017

## Cadmium

- Absorption spectra of Zn I and Cd I in the 1300–1750 region (E), JOSA 65: 1404
- Determination of the odd-even staggering parameter in the spectrum of cadmium (T) (L), JOSA 66: 155
- Isotope shift in the Cd I line 4678 ( $5s5p^3P_0-5s6s^3S_1$ ) and odd-even staggering (E) (L), JOSA 65: 962

## Cadmium telluride

- Far infrared optical properties of selenium and cadmium telluride (E), AO 13: 1164

## CAI, coded aperture imaging

- See Apertures, Apertures coded, Cameras, Image formation

## Calcium

- Atomic calcium laser: pumped via collision-induced absorption (A), JOSA 68: 1645
- Bound, odd-parity  $J = 1$  spectra of the alkaline earths: Ca, Sr, and Ba (TE), JOSA 69: 211
- Direct measurements of excited-state lifetimes in Mg, Ca, and Sr (E), JOSA 67: 488
- Energy levels of  $1s^2 2s^2 2p^4$  configurations in the C I and N I sequences in S, Cl, Ar, K, Ca (E) (L), JOSA 64: 397
- High-resolution saturated absorption of the  $^1S_0-^3P_1$  calcium transition in an atomic beam (A), JOSA 68: 1634

- Quantum-defect analysis of the effects of  $np^2$  terms on the singlet terms of alkaline earths and of their isoelectronic sequences (T), JOSA 64: 706
- Spectrum of Ca X and spectral observations of calcium, scandium, and titanium (ET) (L), JOSA 66: 632

## Calorimetry

- Absolute reference calorimeter for measuring high power laser pulses (E), AO 15: 3115
- Absorption coefficient of pure water at 488 and 541.5 nm by adiabatic laser calorimetry (E), JOSA 67: 622
- Analysis of laser calorimetric data (ET), AO 16: 2837
- Automated analysis of laser calorimetric data (E), AO 18: 3161
- Automated laser calorimetry (A), JOSA 67: 1443
- Automation of a laser absorption calorimeter (E), AO 17: 1938
- Bulk and surface calorimetric measurements at CO wavelengths (E), AO 16: 2914
- Calorimeter for laser beams and plasma diagnostics (A), JOSA 68: 547
- Calorimeters for pulsed lasers: calibration (ET), AO 15: 1815
- Calorimeter to measure the 10.6- $\mu$ m absorption of metal substrate mirrors (E), AO 14: 721
- Calorimetric absorption coefficient measurements using pulsed CO<sub>2</sub> lasers (E), AO 18: 3517
- Calorimetric measurement of absorption vs temperature in a gold film (E) (L), AO 18: 2905
- Calorimetric measurements of stimulated emission cross sections and absorption coefficients at 1.06  $\mu$ m (ET) (L), AO 16: 1484
- Calorimetric measurements of weakly absorbing materials: theory (T), AO 18: 1546
- Evaluating the inequivalence and a computational simplification for the NBS laser energy standards (TE), AO 16: 2315
- Further applications of calorimetry in determining the loss characteristics of optical fibers (A), JOSA 68: 1408
- Heat flow analysis of laser absorption calorimetry (T), AO 14: 314
- Heat-loss effects in laser absorption calorimetry (A), JOSA 64: 1404
- Impurity absorption in CVD ZnSe (E), AO 16: 2902
- Loss measurements in optical fiber ribbons using calorimetry (E) (L), AO 17: 2484
- Measurement of very low absorption coefficients by laser calorimetry (E), AO 14: 1128
- Measurement techniques for small absorption coefficients: recent advances (R), AO 16: 2827
- Photoacoustic measurements of surface and bulk absorption in HF/DF laser window materials (ET), AO 16: 2919
- Spatial variation in the response of laser calorimeters (E) (L), AO 16: 1136
- Spectral-absorbance measurements for laser calorimetry (TE), JOSA 65: 573
- Static profile calorimetry of laser materials (T), AO 16: 2897
- Temperature dependence of multiphonon absorption in zinc selenide (ET), AO 16: 2891
- Two-photon absorption spectroscopy using nonlinear laser calorimetry (A), JOSA 68: 1397

## Cameras

- Apparatus for adapting a reflex camera to use with a monocular microscope (P), AO 14: 1241
- Auto-focusing optical system (P), AO 14: 1457
- Automatic lens focusing method and apparatus (P), AO 15: 2038
- Camera testing by use of speckle patterns (ET), AO 13: 2026
- Close-up imaging of documents and displays with lens arrays (E), AO 18: 477
- Coded aperture imaging: predicted performance of uniformly redundant arrays (T), AO 17: 3562
- Compact large-aperture photographic lens system with long back focal length (P), AO 18: 2091
- Compact lens system having a long back focal length and a large relative aperture (P), AO 16: 1816

- Corrected optical system for shallow camera or the like, components thereof (P), AO 14: 1458
- Development of subpicosecond x-ray and visible streak camera (A), JOSA 66: 384
- Direct, quasi-telecentric, and telecentric combinations of interference filters with large astronomical Schmidt cameras (E), AO 17: 1271
- Electrooptic streak camera: theoretical analysis (T), AO 18: 1025
- Evaluation of a segmented-annular-aperture camera (A), JOSA 65: 1175
- Exploration of the planets with a camera (A), JOSA 69: 1461
- Extremely high speed objective (P), AO 18: 2091
- Eye fundus camera (P), AO 18: A206
- Field-averaging spectrograph camera for remote sensing applications and its characteristics (E), AO 16: 601
- Field-widened pinhole camera (E) (L), AO 18: 2913
- Focusing an objective (P), AO 16: 13
- Focus screen optimization (TE), AO 14: 2762
- GaAs<sub>1-x</sub>P<sub>x</sub> photodiodes for cameras (A), JOSA 66: 1080
- Gauss type lens system (P), AO 18: 2092
- Graphic design of pinhole cameras (T) (L), AO 18: 282
- Image-shearing camera for direct measurement of surface strains (ET), AO 18: 1046
- Imaging on Mars: from concept to reality (A), JOSA 67: 1414
- Improvements in solid catadioptric objectives (A), JOSA 66: 1113
- Infrared video camera at 10  $\mu$ m (E), AO 18: 2607
- Instant-picture camera (P), AO 18: A224
- Interchangeable objective for camera to provide diaphragm control (P), AO 18: 3271
- Inverted telephoto type superwide angle lens (P), AO 18: 3966
- Kitt Peak speckle camera (E), AO 18: 1034
- Large-aperture photographic lens system (P), AO 18: 2091
- Large aperture photographic lens system (P), AO 18: A213
- Large-aperture, ultra wide angle photographic lens system (P), AO 16: 1814
- Left-handed reversal of an image in a camera by two cylindrical lenses (P), AO 18: 4005
- Lens assembly for Polaroid SX-70 Land camera (N), AO 13: 326
- Lensless real-image camera (A), JOSA 66: 1125
- Lensless real-image camera (E), AO 16: 2706
- Lens system with frontal aperture stop (P), AO 18: 2091
- Method to equalize density of a photograph when scene is excessively variable in luminance (P), AO 18: 4005
- Miniature and large aperture retrofocus wide-angle photographic lens (P), AO 18: 2091
- Multiplexing infrared camera (A), JOSA 64: 1360
- Objective lens system (P), AO 16: 1816
- Optical apparatus including a pair of mosaics of optical imaging elements (P), AO 18: 259
- Optical system for indication in the viewfinder of single-lens reflex camera (P), AO 18: 2092
- PATZ—an underwater LLL TV camera with internal pan and tilt, zoom (A), JOSA 66: 1124
- Phosphor converter camera for near-infrared laser-beam profile recording (E), AO 18: 2136
- Photometric device in a single lens reflex camera of through-the-lens type (P), AO 14: 1458
- Polar camera for space-variant pattern recognition (ET), AO 17: 1559
- Real-time holographic motion picture camera capable of recording front surface detail from a random velocity vector (errata), AO 13: 1771
- Reflex camera (P), AO 14: 1240
- Reflex camera and viewing device (P), AO 14: 1458
- Reflex camera viewfinder with image correcting means (P), AO 15: 831
- Retrofocus type wide angle objective lens (P), AO 18: A213
- Retrofocus type wide-angle photographic lens system (P), AO 18: A213
- Retrofocus wide-angle objective lens system of large relative aperture (P), AO 16: 1815
- Self-processing camera and film pack (P), AO 14: 1240
- Shock proof objective lens (P), AO 18: A213
- Silicon vidicon system for measuring laser intensity profiles (E), AO 17: 3938



Single electron counting by self-scanning diode array in a Kron camera (E), AO 16: 2698  
 Sonar controlled two focal position lens system (P), AO 18: 3804  
 Space Shuttle Orbiter Large Format Camera (N), AO 17: 3887  
 Spatially multiplexed infrared camera (TE), JOSA 65: 707  
 Streaking of a light beam by an electro-optically induced traveling lens (E), OL 4: 49  
 Three-dimensional camera (P), AO 17: 326  
 Three-dimensional imager (E), AO 16: 774  
 Vernier sharpness gauge for rapid camera lens evaluation (A), JOSA 68: 1417  
 Wide angle objective (P), AO 18: 2092  
 Wide angle photographic lens (P), AO 18: 2092  
 Wide angle retrofocus lens system of a large relative aperture (P), AO 18: A214  
 Wide-field filter camera (E), AO 17: 442  
 Zoom lens camera equipped with flash unit (P), AO 18: 2092

## Carbon

Extreme ultraviolet spectrum of C I observed from Skylab during a solar flare (E), JOSA 66: 853  
 Mean-life measurements for some terms in C II, C III, and C IV (E) (L), JOSA 68: 1000  
 Mean-life measurements for some terms in C II, C III, and C IV (errata), JOSA 68: 1787  
 Opacity of black smoke: calculated variation with particle size (A), JOSA 68: 1358  
 Optical constants from the far infrared to the x-ray region: Mg, Al, Cu, Ag, Au, Bi, C, and  $\text{Al}_2\text{O}_3$  (E) (L), JOSA 65: 742  
 Optoacoustic measurement of optical absorption in acetylene smoke (TE), JOSA 69: 1699  
 Tunable-dye-laser-induced enrichment of nitrogen and carbon isotopes (A), JOSA 65: 1181

## Carbon dioxide

See also Lasers  
 Absolute rotational Raman cross sections for  $\text{N}_2$ ,  $\text{O}_2$ , and  $\text{CO}_2$  (TE), JOSA 64: 712  
 Absorption in  $\text{CO}_2$  and  $\text{CO}_2$  gas mixtures at elevated temperatures (A), JOSA 68: 1402  
 Carbon dioxide absorption bands in the atmosphere of Venus (A), JOSA 64: 1391  
 Carbon dioxide and water vapor absorption measurements using a  $\text{CO}_2$  laser and differential spectrophone (A), JOSA 66: 1072  
 Carbon dioxide spectral line frequencies for the 4.3- $\mu\text{m}$  region (ET), AO 17: 2599  
 High temperature absorption in  $\text{CO}_2$  at 10.6  $\mu\text{m}$  (ET), AO 13: 2643  
 High temperature absorption in the 10.4- $\mu\text{m}$  band of  $\text{CO}_2$  (ET), AO 18: 378  
 Holmium 2.06- $\mu\text{m}$  laser spectral characteristics and absorption by  $\text{CO}_2$  gas (E) (L), AO 14: 16  
 Infrared absorption at 10.6  $\mu\text{m}$  in  $\text{CO}_2$  at elevated temperatures (E) (L), AO 16: 2632  
 Infrared energy levels and intensities of carbon dioxide (TE), AO 17: 2605  
 Measurements of small signal absorption at high temperature for the 001-100 band of  $\text{CO}_2$  (E), AO 13: 1920  
 Rayleigh scattering coefficients for dry air, carbon dioxide, and Freon-12 (T) (L), AO 13: 468  
 Temperature dependence and measurement of self-broadening coefficients in  $\text{CO}_2$  (A), JOSA 66: 1094  
 Temperature dependence of  $\text{CO}_2$  linewidths and intensities (A), JOSA 68: 1403  
 Thermodynamic derivatives of infrared absorbance (TE), JOSA 64: 1111  
 Tunable diode laser high resolution spectroscopic measurements of the  $\nu_2$  vibration of carbon dioxide (E), AO 14: 1120  
 Tunable diode laser spectroscopic determination of  $\nu_3$  band center of  $^{14}\text{C}^{18}\text{O}_2$  at 4.5  $\mu\text{m}$  (ET) (L), AO 16: 3072

## Carbon monoxide

See also Lasers  
 Limitations on the interpretation of specular reflection spectra with an application to solid CO (TE), AO 13: 1184  
 Long-path laser monitor of carbon monoxide: system improvements (E), AO 18: 3004  
 Long-path monitoring of atmospheric carbon monoxide with a tunable diode laser system (E), AO 14: 854

Remote detection of CO by parametric tunable laser (A), JOSA 64: 257  
 Remote measurements of ambient air pollutants with a bistatic laser system (E), AO 15: 2080  
 Resonant fluorescent scattering of solar radiation by the fourth positive band system of CO (T), AO 14: 1513

## CARS coherent anti-Stokes Raman spectroscopy

See Spectroscopy, Raman

## Cavities

Emissivities of diffuse cavities: isothermal and nonisothermal cones and cylinders, JOSA 64: 339  
 Experimental excitation of resonant modes in open-ended cylindrical cavities (A), JOSA 64: 528  
 High-order mode structures in laser cavities with arbitrary astigmatism (A), JOSA 64: 561

## Cells

Absorption cell: a modified multiple-traversal device (E) (L), AO 15: 864  
 Absorption coefficients of weakly absorbing solids: theory of a barothermal gas cell (T), AO 15: 347  
 Automation of longpath absorption cell measurements (A), JOSA 67: 1419  
 Beam-splitter and cell-window errors in fluorescence spectrometry (ET), AO 18: 4134  
 Confocal interferometer light-scattering sample cell (E) (L), AO 17: 3028  
 Contacted modelocking-dye cell (E) (L), AO 17: 3706  
 Focused, multiple-pass cell for Raman scattering (E), AO 13: 186  
 Focused multiple-pass cell for Raman scattering: reply to comment (E) (L), AO 13: 1739  
 Focused multiple-pass cell for Raman scattering: comment (ET) (L), AO 13: 1739  
 Infrared detection of flame-retardant finishes on cotton fabric (A), JOSA 64: 1363  
 Kilometer-path low-temperature multiple-reflection cell for laser spectroscopy using tunable semiconductor diodes (E), AO 17: 2511  
 Low-temperature multiple reflection absorption cell (A), JOSA 66: 390  
 Multiple traversal absorption cell of minimum volume: design (T), AO 15: 921  
 Multireflection Raman cell: a design (TE), AO 14: 3092  
 Path differencing: an improvement to multipass absorption cell measurements (E) (L), AO 15: 16  
 Photoacoustic cell design: resonant enhancement and background signals (L), AO 16: 2630  
 Photoacoustic methods for measuring surface and bulk absorption coefficients in highly transparent materials: theory of a gas cell (T), AO 15: 2405  
 Portable cell for simultaneously measuring the coefficients of light scattering and extinction for ambient aerosols (E), AO 18: 1009  
 Resonant optoacoustic cells for trace gas analysis (TE), JOSA 68: 1257  
 Retroreflecting multipass cell for Raman scattering (E), AO 16: 2004  
 Spectroscopy at very high pressures. 14: Laser Raman scattering in ultrasmall samples in a diamond anvil cell (E), AO 16: 2572  
 Technique for obtaining cw  $\text{CO}_2$  sequence laser lines using an incavity  $\text{NH}_3$  cell (E) (L), AO 17: 3523  
 Thin-wedge-shaped cell for highly absorbent liquids (E), AO 17: 960  
 Versatile high-temperature high-pressure vapor cell design for electron beam excited laser studies (E), AO 17: 3491  
 Very long optical paths in air (E), JOSA 66: 411  
 Very long optical paths in a near-confocal system (A), JOSA 65: 1210  
 Visual evaluation of defects in GaAs-based solar cells (E) (L), AO 17: 2857  
 White cell for airborne use (A), JOSA 69: 1427

## Ceramics

Normal spectral reflectance and the normal spectral emittance of the metal-coated glass ceramics (A), JOSA 67: 251

## Cesium

Characteristics of an opto-galvanic effect in cesium and other gas discharge plasmas (E), JOSA 68: 352  
 Hyperfine structure of the  $5p^6\ ^2P_{3/2}\ 5d[7/2]_4^{\circ}$ ,  $^2P_{3/2}\ 5d[3/2]_2^{\circ}$ , and  $^2P_{3/2}\ 6p[5/2]_3$  levels in Cs II measured with beam-laser technique (E), OL 4: 268  
 Lifetime measurements in the excited S states of K, Rb, and Cs by the cascade-Hanle effect (TE), JOSA 66: 426  
 Observation of collision-induced 6s-ns transitions in the absorption spectrum of cesium in the presence of xenon (E) (L), JOSA 67: 844  
 Pressure effects of helium, neon, and argon on the hyperfine structure of the first doublet of cesium (E), JOSA 67: 24  
 Resonance lines and energy levels of Cs III, Ba IV, and La V (ET), JOSA 66: 590  
 Resonance lines of Cs II, Ba III, and La IV (E), JOSA 65: 638  
 Spectral line profiles in the cesium principal series perturbed by noble gases (A), JOSA 68: 1447

## Character recognition

See also Pattern recognition  
 Apparatus with transform holographic spatial filters (P), AO 13: 1727  
 Magnetic optical character reader (P), AO 13: 1727  
 Multiple scanner system (P), AO 13: 2961  
 Optical scanning system (P), AO 13: 2439

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 Laser isotope separation using two-photon selective excitation; its quantum efficiency and separation factor (T), AO 13: 2505  
 Laser-pulse requirements for coherent and mode-selective excitation in the quasicontinuum of polyatomic molecules (T), OL 1: 87  
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Technical books price list (N), AO 17: 974

## Chlorine

Effect of continuum configuration interaction on the position of  $sp^6$  in neutral chlorine and other halogens (T), JOSA 64: 1474

Energy levels of  $1s^2 2s^2 2p^k$  configurations in the C I and N I sequences in S, Cl, Ar, K, Ca (E) (L), JOSA 64: 397

Infrared vibration-rotation spectra of the ClO radical using tunable diode laser spectroscopy (E) (L), AO 17: 1301

Lifetimes of some L-x-ray emitting levels in silicon, sulfur, and chlorine (E), JOSA 68: 830

Multiconfiguration Hartree-Fock study of the interaction between  $sp^6$  and  $s^2p^4d$  in the Cl I, Br I, and I I isoelectronic sequences with particular emphasis on the neutral halogens (T), JOSA 67: 754

Position of the  $sp^6$  configuration in the neutral halogens (ET) (L), JOSA 64: 1017

Wavelengths, energy levels, and analysis of the second spectrum of chlorine (Cl II) (ET), JOSA 64: 366

## Choppers

Chopping factors for circular and square apertures (T), AO 15: 80

Ferraris drive (P), AO 18: 3241

Infrared pulse contours obtained with an inexpensive detector (E), AO 17: 308

Photoelectric chopper for distance measurement (P), AO 13: 8A26

Simple submicrosecond optical chopper (E) (L), AO 18: 3552

Sinusoidal radiation chopper for modulation of the maximum available light intensity (E) (L), AO 16: 803

Two-chopper technique for measuring fluorescence lifetimes (E), AO 15: 61

## Chromium

Laser photoexcitation spectra of  $Cr^{3+}$ :MgO at 77 K (A), JOSA 69: 1410

Optical absorption spectrum of  $Cr^{3+}$  in yttrium aluminum garnet (TE), JOSA 67: 27

Optical properties of thin chromium films (TE), JOSA 64: 823

Selective electroplated chromium blacks (E), AO 17: 2637

$2s^2 2p^k 2s 2p^{k+1}$  transitions in the F I to Be I isoelectronic sequences of chromium, iron, and nickel from tokamak-produced plasmas (E), JOSA 69: 1652

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### Engineering and Applications

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CLEA 1975 (R), AO 15: 1383

CLEA 1977 (R), AO 17: 855

## Climate

Application of directly measured aerosol radiative properties to climate models (A), JOSA 67: 260

Effects of aerosol particles on visibility, atmospheric pollution, radiation budget, and climate (A), JOSA 67: 260

Stratospheric aerosols and climatic change (A), JOSA 67: 260

## Clouds

Airborne cloud lidar system: instrument description and flight performance (A), JOSA 69: 1399

Analysis of radiative properties of warm clouds at infrared wavelengths (A), JOSA 67: 261

Asymptotic radiance and polarization in optically thick media: ocean and clouds (T), AO 15: 3166

Blue-green pulsed propagation through fog (ET), AO 18: 429

Characterization of high extinction weather for a ground-based infrared pulsed Doppler lidar (A), JOSA 68: 540

Cloud-base water content measurement using single wavelength laser-radar data (TE), AO 14: 2873

Cloud reflectance with laser beam illumination (E) (L), AO 17: 2257

Clouds of Venus (A), JOSA 64: 530

Computations concerning the actual light scattering coefficient as measured in haze and fog (T) (L), AO 18: 1706

Diffuse reflectance of clouds: a semiempirical model (T) (L), AO 18: 1881

Expected lidar return from tornado clouds (T) (L), AO 15: 2958

Extinction of IR wavelengths by aerosols in coastal fog (ET) (L), AO 17: 2138

Extinction of IR wavelengths by aerosols in coastal fog (errata), AO 17: 3339

Fog hole boring with pulsed high-energy lasers: an exact solution including scattering and absorption (T), AO 17: 3424

Fog measurements for optical transmission prediction (A), JOSA 68: 1358

Hole-boring in clouds by high-intensity laser beams (T), AO 16: 2974

Image dissector for size and position of statically suspended particles (ET), AO 18: 3602

Improved diffusion approximation to radiative transfer in atmospheres and clouds (A), JOSA 67: 261

Influence of clouds, haze, and smog on the middle ultraviolet reaching the ground (T), AO 13: 2405

Infrared multidetector spectrometer for remote sensing of temperature profiles in the presence of clouds, AO 15: 2091

Inversion techniques for determining the droplet size distribution in clouds: numerical examination (T), AO 15: 378

Iterative model of multiple scattering in fogs (A), JOSA 68: 1357

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Laser beam broadening and depolarization in dense fogs (E), JOSA 68: 900

Laser beam broadening and polarization in dense fogs (A), JOSA 67: 1369

Lidar for multiple backscattering and depolarization observations (ET), AO 16: 3193

Light extinction in polydisperse particulate systems, AO 16: 3183

Light scattering in water droplet fogs (A), JOSA 67: 259

Limitations of cloud droplet size distribution by Backus-Gilbert inversion of optical scattering data (TE), JOSA 66: 483

Multiple scattering in atmospheric clouds: lidar observations (E), AO 15: 1990

Optical constants of sulfuric acid: application to the clouds of Venus? (E), AO 14: 208

Polarization models of halo phenomena. I. The parhelic circle (T), JOSA 69: 1100

Polarization properties of lidar scattering from clouds at 347 nm and 694 nm (E), AO 17: 2321

Radiative transfer in two dimensions through fog (T), AO 17: 1797

Scattering of solar radiation by hexagonal ice crystals (T), AO 18: 2663

Spatial concentration of particulates from rocket exhaust ground clouds (A), JOSA 67: 256

Stochastic approximation to multiple scattering in clouds (T), AO 18: 1627

Transfer of infrared radiation through clouds (ET), AO 13: 512

Transit time of light through clouds deduced from  $O_2$  absorption measurements (A), JOSA 69: 1412

Two-wavelength lidar scattering from atmospheric clouds (A), JOSA 67: 1369

## COAT, coherent optical adaptive techniques

See Adaptive optics

## Coatings

See also Filters, Thin films

Adherent dielectric coating of diamond-turned mirrors (E), OL 2: 19

Analysis of phase retardation coatings (A), JOSA 69: 1437

Anti-reflection coating having pseudo-inhomogeneous layers (P), AO 15: 2609

Antireflection coating prepared by plasma polymerization of perfluorobutene-2 (A), JOSA 65: 1195

Antireflection coating prepared by plasma polymerization of perfluorobutene-2 (E), AO 15: 132

Antireflection coatings effective at two wavelengths simultaneously in the visible region using homogeneously mixed dielectrics (E), AO 18: 1750

Antireflection coating with a composite middle layer (P), AO 18: 3220

Anti-reflection for glass (P), AO 15: 2296

Antireflective coating on polydiethyleneglycoliallylcarbonate or CR-39 (P), AO 18: 3872

Antireflective coatings applied from metal-organic derived liquid precursors (E), AO 18: 3133

Application of chemical vapor deposition to the fabrication of laser fusion targets (A), JOSA 68: 550

Application of linear programming to antireflection coating design (T), JOSA 67: 1039

Attainment of optimum reflectance for TM polarized flux in immersed multilayers (T) (L), AO 18: 942

Bandpass filter design (A), JOSA 66: 161

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Broadband antireflection coating for germanium in the infrared (E) (L), AO 13: 1274

Broad-band dielectric mirror coatings for Fabry-Perot spectroscopy (A), JOSA 66: 160

Calculating the optical properties of multilayer-dielectric reflectors (E), JOSA 67: 1590

Calibration substrate for Abeles-equipment (T) (L), AO 17: 2135

Chemical spray silvering (L), AO 16: 2785

Coatings for crystals (A), JOSA 66: 383

Coatings for the far UV region (A), JOSA 66: 161

Color correcting coatings for photographic objectives (ET) (L), AO 18: 1879

Color variations of AR coatings caused by a leached substrate layer (A), JOSA 69: 1434

Combination moisture resistant and antireflection plasma polymerized thin films for optical coatings (E), AO 13: 1844

Computer design of masks for coating tanks with planets (A), JOSA 69: 1438

Controlling surface finished in vacuum deposited coating for laser fusion targets (A), JOSA 68: 550

Damage mechanisms at 10.6  $\mu$ m in windows and reflectors (A), JOSA 66: 166

Deposition of dielectric layers of metallic oxides (A), JOSA 66: 162

Description of multilayer dielectric reflectors, JOSA 69: 993

Design of optical filters. Part 2 (T) (L), AO 18: 1478

Diagram useful in designing coatings (A), JOSA 64: 548

Diagram useful in designing coatings (errata), JOSA 64: 1155

Economic and technical aspects of coatings for solar energy (A), JOSA 66: 164

Effect of UV irradiation on the reflectance of silicon-oxide-protected aluminum in the far UV (E) (L), AO 17: 3031

Electric field intensity within optical coatings and substrates (A), JOSA 68: 1418

Electric fields in multilayers at oblique incidence (T), AO 15: 2339

Engineering considerations in the production of optical coatings (A), JOSA 66: 163

Evaluation of thin-film coatings by attenuated total reflection (A), JOSA 67: 253

Fabrication of cryogenic laser fusion targets (A), JOSA 68: 550

Far-infrared filters utilizing small particle scattering and antireflection coatings (E), AO 13: 425

Fast computation method for derivatives of multilayer stack reflectance (T), AO 17: 538

General integral theory for dielectric coated gratings (T), JOSA 68: 490



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- Homogeneously mixed dielectric films as double-layer antireflection coatings (E), AO 18: 328
- Improved fabrication technique for applying coatings to optical fiber waveguides (A), JOSA 67: 706
- Index matching reduces peak electric fields in thin-film polarizers (T), AO 14: 1220
- Indium tin oxide-coated silicon as a selective absorber (ET) (L), AO 14: 2328
- Influence of black coatings on pyroelectric detectors (ET), AO 13: 1171
- Infrared characterization of surfaces and coatings by internal-reflection spectroscopy (E), AO 17: 1776
- Infrared laser coatings bulletin (N), AO 18: 890
- Infrared light scattering from surfaces covered with multiple dielectric overlayers (A), JOSA 67: 253
- Infrared reflectance of a variety of mirrors at 45° incidence (E) (L), AO 17: 3335
- Infrared spectral emittance profiles of spectrally selective solar absorbing layers at elevated temperatures (TE), AO 16: 2818
- Infrared transmitting moisture-protective coatings for alkali halides (A), JOSA 69: 1438
- Inhomogeneous interface laser mirror coatings (E), AO 18: 2979
- Interference filters for the far ultraviolet (E) (L), AO 13: 1275
- Laser damage resistance and standing-wave fields in dielectric coatings (A), JOSA 66: 166
- Laser-damage resistant coatings for the 16- $\mu$ m region (E) (L), AO 17: 3858
- Laser induced damage in optical materials: 7th ASTM symposium (R), AO 15: 1510
- Laser induced damage in optical materials: ninth ASTM symposium (R), AO 17: 2386
- Liquid crystal display assembly (P), AO 16: 2789
- Liquid surface coating for optical components used in high power laser applications (E), AO 16: 2491
- Loss mechanisms in dielectric optical interference devices (T), AO 16: 2147
- Low-loss antireflection coatings for DF chemical lasers (A), JOSA 68: 1418
- Low-loss antireflection coatings for DF chemical lasers (ET), AO 18: 1220
- Low-thermal-emittance coatings for efficient solar-power generation (A), JOSA 64: 1361
- Materials for optical thin films (E), AO 15: 2315
- Measurement of optical fiber coating concentricity (A), JOSA 67: 709
- Measurements at 1.06  $\mu$ m of the laser damage threshold of multilayer dielectric coatings (A), JOSA 66: 165
- Measuring the infrared absorption in thin film coatings (E), AO 16: 2843
- Mie scattering, Maxwell Garnett theory, and the Giaever immunology slide (ET), AO 15: 2746
- Mirrors, windows, and coatings for high-power ultraviolet lasers (A), JOSA 68: 1393
- Moisture resistant optical films: their production and characterization (E), AO 14: 2631
- Multidielectric components for the far ultraviolet (E) (L), AO 13: 1276
- Multi-layer anti-reflection coating (P), AO 13: 2177
- Multilayer antireflection coatings: theoretical model and design parameters (T), AO 14: 1326
- Multilayer antireflection coatings for solid state lasers (P), AO 14: 1746
- Multilayer coatings producing 90° phase change (T) (L), AO 18: 1875
- Multilayer dichroic mirrors for the 16- $\mu$ m spectral region: their design and fabrication (E), AO 18: 3127
- Multilayer edge filter for the 3.2–4.9- $\mu$ m range (ET), AO 17: 2648
- Multilayer optical interference coatings via glow discharge polymerization techniques (E), AO 17: 2645
- Nonoptical methods of determining the chemical composition of multilayers (A), JOSA 66: 164
- Nonquarterwave multilayer filters: optical monitoring with a minicomputer allowing correction of thickness errors (E), AO 18: 3857
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- Optical coating design with reduced electric field intensity (T), AO 16: 1880
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- Optical coatings for solar heating and cooling (A), JOSA 67: 252
- Optical components and coatings available (N), AO 13: 1237
- Optical fiber coating concentricity: measurement and analysis (ET), AO 16: 2383
- Optical film materials and their applications (A), JOSA 66: 163
- Optical interference coatings, course, Univ. Rochester, 9–12 Jul 1974 (N), AO 13: 748
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- Optical interference coatings (R), AO 15: 2313
- Optical interference coating terminology (A), JOSA 66: 160
- Optical measurement methods (A), JOSA 66: 164
- Optical properties of evaporated platinum films in the vacuum ultraviolet from 2200 Å to 150 Å (E), JOSA 69: 1695
- Optical properties of films of composite materials (A), JOSA 66: 163
- Optical properties of multilayer overcoated aluminum films in the UV (2000–2500 Å) (E), AO 15: 2216
- Optical thin film synthesis program based on the use of Fourier transforms (T), AO 17: 3039
- Optical waveguide techniques for thin-film measurements (A), JOSA 66: 165
- Parameters for optimization of multilayer antireflection coatings (T), AO 18: 553
- PbS–Al selective solar absorbers (E) (L), AO 13: 2750
- Pieges a lumiere interferentiels a larges bandes azimutale et spectrale (ET), AO 13: 1605
- Plasma polymerization coating of D-T filled glass shells for laser fusion targets (A), JOSA 68: 550
- Plating laser-fusion targets (A), JOSA 68: 550
- Polarization effects on overcoated mirrors (A), JOSA 66: 79
- Reflectance and durability of Ag mirrors coated with thin layers of  $Al_2O_3$  plus reactively deposited silicon oxide (TE), AO 14: 2639
- Reflection spectroscopy of optical coatings (TE), JOSA 69: 264
- Reflective multilayer coatings for the far UV region (R), AO 15: 2333
- Refractive index of some oxide and fluoride coating materials (T), AO 18: 111
- Refractive indices of zinc sulfide and cryolite in multilayer stacks (E), AO 15: 1969
- Retroreflectance measurements of photometric standards and coatings—II (A), JOSA 67: 252
- Retroreflectance measurements of photometric standards and coatings (E), AO 15: 1845
- Retroreflectance measurements of photometric standards and coatings. part 2 (E), AO 16: 2861
- Review of studies on coating for optical fibers at Bell Laboratories (A), JOSA 67: 706
- Sand erosion effect on the 10.6- $\mu$ m optical absorption of coated ZnSe (E) (L), AO 15: 25
- Scattering theory of multilayer optical coatings (A), JOSA 68: 1418
- Scatter losses of broadband interference coatings (E), AO 18: 818
- Semitransparent tin-oxide films on Pyrex plates: measurements of reflectivity (E) (L), AO 15: 1122
- Solar collector panel and method of making (P), AO 18: 3501
- Strength optimization of coatings using material laminate techniques (A), JOSA 68: 550
- Surface scattering in optical interference coatings (A), JOSA 66: 164
- Technique for measuring the infrared absorption in thin-film coatings (A), JOSA 67: 252
- Temperature dependence of absorbance in laser damage of metallic mirrors: I. Melting (T), JOSA 69: 847
- Temperature dependence of absorbance in laser damage of metallic mirrors: II. Vaporization and heating the vapor (T), JOSA 69: 859
- Theoretical modeling of the simultaneous exposure and development (SED) process of a positive photoresist (TE), AO 16: 1918
- Thin film coatings: algorithms for the determination of reflectance and transmittance, and their derivatives (T), AO 18: 2701
- Thin-film 2.8- $\mu$ m and 3.8- $\mu$ m absorption in single-layer films (E), AO 17: 2798
- Thin film optical coatings. 1: Optical coating stabilities (T), AO 16: 2486
- Thin film optical coatings. 1: Optical coating stabilities (errata), AO 17: 1486
- Thin film optical coatings. 2: Three-layer antireflection coating theory (T), AO 16: 2722
- Thin film optical coatings. 3: Two-wavelength antireflection coatings (T), AO 16: 3001
- Thin film optical coatings. 4: Multilayer antireflection coatings (T), AO 16: 3237
- Thin film optical coatings. 5: Buffer layer theory (T), AO 17: 72
- Thin film optical coatings. 6: Design method for two given wavelength antireflection coatings (T), AO 17: 1458
- Thin film optical coatings. 7: Two-layer coatings close to antireflection (TE), AO 18: 1226
- Tl 1-KCl-Tl 1 AR coatings for KCl windows (A), JOSA 68: 1418
- Transparent electrically conducting thin films for spacecraft temperature control applications (E) (L), AO 18: 1488
- Two-layer low-absorption antireflection coating for KCl (E), AO 17: 447
- Two-photon absorption coefficients in UV window and coating materials (E), AO 18: 1015
- Ultra-precision photometry of antireflection coatings (A), JOSA 66: 165
- Ultraviolet-cured epoxy-acrylate coatings on optical fibers I & II. Chemistry and application (A), JOSA 67: 706
- Use of equivalent index in multilayer design (A), JOSA 66: 161
- Use of Fourier coefficients in multilayer synthesis computations (T), JOSA 68: 964
- Use of hafnium dioxide in multilayer dielectric reflectors for the near UV (E), AO 16: 439
- Wide band anti-reflection coating (P), AO 13: 977
- Wideband optical monitoring of nonquarterwave multilayer filters (E), AO 18: 3851
- Workshop on the design of fixtures for vacuum coating equipment (A), JOSA 66: 162
- X-ray and far UV multilayer mirrors: principles and possibilities (T), AO 16: 89

## Cobalt

- Observations of  $3p^53d-3p^54f$  and  $3p^63d-3p^6d4s$  transitions in iron, cobalt, nickel, and copper (ET), JOSA 66: 240
- Optical analysis of the hyperfine structure of  $^{59}\text{Co}$  in the region 4000–4300 Å (E), JOSA 68: 251
- Oscillator strengths of neutral cobalt (Co I) (A), JOSA 68: 1447
- Relative transition probabilities of cobalt (E), JOSA 64: 1479

## Coded apertures

- See Apertures, Image formation, Image processing

## Coherence

- See also Quantum optics, Speckle patterns
- Aerosols and the total atmospheric mutual coherence function (A), JOSA 68: 541
- Ambiguity function in Fourier optics (T), JOSA 64: 779
- Amplified reflection, phase conjugation, and oscillation in degenerate four-wave mixing (T), OL 1: 16
- Analogies between the mathematical formulations of partially coherent fields and speckle patterns (A), JOSA 67: 1389
- Analysis and experimental study of ruled halftone screens (TE), AO 13: 1299
- Analysis and experimental study of ruled half-tone screens: addendum (TE) (L), AO 13: 2189
- Analysis of the spatial coherence of laser light scattered from a surface with two scales of roughness (T), JOSA 66: 536
- Analysis of the spectral imaging capabilities of a moving grating interferometric spectrometer (TE), JOSA 69: 470
- Analysis of the spectral imaging capabilities of a moving grating interferometric spectrometer (errata), JOSA 69: 1633



- Analytical considerations for interferometry with two independently modulated beams (T), JOSA 65: 1003
- Analytical evaluation of techniques for use of a laser Doppler velocimeter to measure flow and turbulence (T), JOSA 65: 69
- Analytical, experimental, and computer simulation studies of speckle effects in multidither COAT systems (A), JOSA 66: 635
- Angular spectrum and coherent imaging (TE), JOSA 64: 1503
- Apodization with specified over-all transmittance and specified Sparrow limit of resolution for coherent illumination (A), JOSA 64: 1404
- Apparatus for investigating the coherence of light (P), AO 15: 1358
- Atmospheric propagation of partially coherent radiation (A), JOSA 67: 1376
- Atmospheric propagation of partially coherent radiation (T), JOSA 68: 175
- Beam wave two-frequency mutual-coherence function and pulse propagation in random media: an analytic solution (T), AO 18: 1613
- Carbon dioxide coherent propagation through the marine boundary layer (A), JOSA 68: 541
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- Coherence and radiant intensity in scalar wave fields generated by fluctuating primary planar sources (T), JOSA 68: 953
- Coherence and radiometry (A), JOSA 67: 1413
- Coherence and radiometry (R), JOSA 68: 6
- Coherence and radiometry with quasihomogeneous sources (A), JOSA 66: 1075
- Coherence and radiometry with quasihomogeneous planar sources (T), JOSA 67: 785
- Coherence, correlation, and quanta (A), JOSA 68: 1419
- Coherence effects on the phase accuracy of an optical Fourier processor (T), JOSA 68: 909
- Coherence functions of fields generated by correlated charge-current distributions (A), JOSA 65: 1198
- Coherence in quantum optics (A), JOSA 68: 699
- Coherence-length adapted hologram-interferometer (E), AO 16: 225
- Coherence matrices of light beams at dielectric interfaces and Goos-Haenchen effect (T), JOSA 65: 1475
- Coherence of a light beam through an optically dense turbid layer (T), AO 17: 1280
- Coherence of super-radiant pulses in semiclassical radiation theory (A), JOSA 66: 1076
- Coherence properties in the image of a partially coherent object (T) (L), JOSA 67: 115
- Coherence properties of Lambertian and non-Lambertian sources (T), JOSA 65: 1067
- Coherent detection signal-to-noise ratio (T), AO 14: 689
- Coherent imaging in presence of defect of focus (T) (L), JOSA 64: 1344
- Coherent light source detector (P), AO 14: A77
- Coherent-optical adaptive techniques (A), JOSA 64: 541
- Coherent optical adaptive techniques (E), AO 13: 291
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- Coherent optical extrapolation of two-dimensional bandlimited signals (A), JOSA 69: 1467
- Coherent-optical image converter (P), AO 14: 1043
- Coherent optical pulse synthesis using phase-locked lasers and nonlinear optical processes (T) (L), AO 18: 1693
- Coherent optics, conference, Glasgow, 8-11 Apr 1975 (N), AO 13: 1974
- Coherent spontaneous emission of light (A), JOSA 68: 1419
- Coherent transients by laser-acoustical diffraction spectroscopy (A), JOSA 68: 696
- Computations of imagery in partially coherent light (A), JOSA 67: 1367
- Computer controlled image sensor and its application (ET), AO 18: 485
- Contrast enhancement in partially coherent imaging (A), JOSA 67: 1366
- Dead-time-modified photon statistics and their relationship to the optical power spectrum (A), JOSA 68: 1421
- Degeneracy of light and the optimum accuracy of photoelectric measurements (T), JOSA 64: 1598
- Directionality of Gaussian Schell-model beams (A), JOSA 68: 1410
- Directionality of light from coherent, partially coherent, and noncoherent sources (A), JOSA 68: 1410
- Effect of nonuniform irradiance, and irradiance fluctuations, upon the response of photographic film (ET), JOSA 65: 1495
- Effect of reference and illuminating sources size in holography (T), JOSA 69: 273
- Effect of source temporal coherence on light scintillations in weak turbulence (T), JOSA 69: 71
- Effects of coherence on the statistical properties of speckle (A), JOSA 66: 176
- Emulsion thickness and space variance: combined effects in Vander Lugt optical correlators (ET), AO 14: 1679
- Engineering uses of coherence optics conference, Glasgow, 8-11 Apr 1974 (N), AO 13: 334
- Engineering uses of coherent optics, conference and exhibition, University of Strathclyde, 8-11 Apr 1975 (M), Reported by Erf, Robert K., AO 14: 2028
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- Equal excitation of all modes on an optical fiber (T), JOSA 68: 572
- Equivalence of annular source and dynamic coherent phase-contrast viewing systems (A), JOSA 65: 1167
- Equivalence of two theories of strong optical scintillation (T), JOSA 64: 1641
- Equivalence theorem for radiant intensity from planar sources of different states of spatial coherence (A), JOSA 68: 1410
- Equivalence theorems for planar sources that generate the same distributions of radiant intensity (T), JOSA 69: 942
- Existence of a radiance function for finite planar sources of arbitrary states of coherence (T), JOSA 69: 192
- Far-field coherence and radiant intensity of light scattered from liquid crystals (T), JOSA 68: 329
- Far-zone behavior of fields from sources of arbitrary state of coherence (A), JOSA 64: 1398
- Far-zone range-criteria for quasi-homogeneous partially coherent sources (T), JOSA 68: 1332
- Field fluctuations in absorptive bistability (A), JOSA 68: 1420
- Field properties of multiple coherently combined lasers (A), JOSA 68: 1386
- First-order non-Gaussian statistics of an optical field scattered from a glinty rough object under coherent illumination (A), JOSA 67: 1368
- Focused beam and atmospheric coherence measurements at 10.6  $\mu\text{m}$  and 0.63  $\mu\text{m}$  (E), AO 13: 1906
- Formation of the temporal and spatial coherence of laser radiation near threshold: excitation of laser action as a phase transition (A), JOSA 68: 698
- Free-space propagation of irradiance fluctuations and the fourth-order coherence function (T), JOSA 64: 1636
- Fringe localization (T) (L), AO 17: 1853
- Generalized spherical wave mutual coherence function (T) (L), JOSA 67: 1279
- High-order coherent light scattering due to excitonic molecules in CuCl (A), JOSA 68: 1638
- Holographic ruby laser with long coherence and precise timing (E), AO 13: 2486
- Holographic speckle reduction by complementary spatial sampling (ET), AO 16: 1371
- How incoherent are Lambertian sources? (A), JOSA 64: 545
- Image formation of partially coherent diffuse object (T), JOSA 64: 919
- Image information by means of speckle-pattern processing (TE), JOSA 65: 279
- Image of a sinusoidal complex object in a partially coherent optical system (T), JOSA 65: 892
- Image speckle patterns of weak diffusers (T), JOSA 65: 769
- Improved random spatial phase modulation for speckle elimination (E), AO 17: 1447
- Incoherent holographic record of a nonlinear source (E), JOSA 67: 4
- Incorporating gain into a coherent optical feedback system (A), JOSA 68: 1361
- Increased power from a tunable coherent source (A), JOSA 65: 1180
- Increasing the brightness of a superradiant UV nitrogen laser (E) (L), AO 18: 425
- Influence of laser speckle on COAT systems (A), JOSA 66: 180
- Initial evaluation of performance of adaptive optical systems with extended dynamic targets (T), JOSA 67: 345
- Input scanning technique for coherent processing (A), JOSA 68: 1414
- Integral equations for incoherent imagery (T), JOSA 64: 1237
- Intensity fluctuations of ASE: theory and measurements (A), JOSA 69: 1414
- Intensity fluctuations resulting from partially coherent light propagating through atmospheric turbulence (T), JOSA 69: 73
- Interaction of matter with radiation of any state of coherence (A), JOSA 65: 1198
- Interference problems in a coherent aberration sensor (E), AO 18: 2891
- Interpretation of the on-resonance coherent self-focusing (A), JOSA 66: 1126
- Inverse problem for random sources (A), JOSA 68: 1421
- Investigation of Tatarskii into the relationship between coherence theory and the theory of radiative transfer (T), JOSA 67: 465
- Is complete spatial coherence necessary for the generation of highly directional light beams? (T), OL 2: 27
- Josephson junction arrays as parametric amplifiers (A), JOSA 68: 701
- Lasers and Coherence Spectroscopy. Edited by Jeffrey I. Steinfeld (B), Reviewed by Leopold, Lutz, AO 18: A160
- Laser speckle reduction: equivalence of the moving aperture method and incoherent spatial filtering (TE), AO 16: 685
- Lau effect interpreted in the context of the theory of partial coherence (A), JOSA 69: 1455
- Lens design for laser systems (T), JOSA 64: 314
- Linewidth measurement with an optical microscope: the effect of operating conditions on the image profile (ET), AO 16: 2223
- Measurement of second-order coherence in a light beam using a microscope and a grating (E), AO 16: 558
- Measuring device (P), AO 18: 1286
- Measuring fluid velocities with speckle patterns (E), OL 1: 135
- Measuring the size of stars: the next step? (A), JOSA 68: 1419
- Merits of symmetric scanning for detection of coherence function in incoherent imaging system (T) (L), JOSA 66: 145
- Minimum-bias spectral estimation with a coherent optical spectrum analyzer (T), JOSA 65: 425
- Mode competition in a ring laser at line center (E), OL 1: 196
- Modified spectrum of atmospheric temperature fluctuations and its application to optical propagation (T), JOSA 68: 892
- Modulation contrast and coherence theory (T), AO 15: 2385
- Multilevel echo relaxation studies in gaseous media (A), JOSA 68: 696



- Mutual coherence function and frequency spectrum of a laser beam propagating through atmospheric turbulence (T), JOSA 64: 592
- Mutual coherence function in radio astronomy (T), JOSA 69: 554
- Mutual coherence function of a corrected wave front (A), JOSA 68: 1368
- Noise and coherence in optical image processing. I. The Callier effect and its influence on image contrast (T), JOSA 68: 559
- Noise elimination technique in holography (E), AO 15: 530
- Non-Gaussian speckle with correlated weak scatterers: a computer simulation (E), JOSA 69: 1573
- Object luminance reconstruction through sampling of the complex degree of coherence in the far field (A), JOSA 69: 1485
- Obtaining information through the atmosphere at the diffraction limit of a large aperture (T), JOSA 65: 755
- Optical coherence through turbid media (A), JOSA 68: 541
- Optical coherent transients by laser frequency switching: subnanosecond studies (A), JOSA 68: 695
- Optical heterodyne signal power obtained from finite sized sources of radiation (T), AO 13: 150
- Optimal condition for pulsed heterodyne detection of random signals (A), JOSA 68: 1421
- Optimum conditions for heterodyne detection of light (T), JOSA 65: 413
- Pancharatnam, S., *Collected Works of* (B), Reviewed by Howard, John N., AO 16: A12
- Partial coherence controlled by a progressive ultrasonic wave (TE), JOSA 69: 684
- Partially coherent sources, highly directional beams, and Fourier optics (A), JOSA 69: 1414
- Phase determination by conjugate wave-front generation (T) (L), JOSA 68: 1135
- Phase-front distortion of laser radiation in a turbulent atmosphere (ET), AO 14: 2857
- Phase-lock control considerations for coherently combined lasers (A), JOSA 68: 1385
- Physical model for strong optical-amplitude fluctuations in a turbulent medium (T), JOSA 64: 59
- Practical coherent optical spectrum analyzer for the processing of blood flow signals (A), JOSA 67: 1381
- Propagation of the generalized radiance through optical instruments (A), JOSA 68: 1404
- Propagation of the generalized radiance through lenses (T), JOSA 68: 1606
- Propagation of the mutual coherence function for an infinite plane wave through a turbid medium (A), JOSA 68: 541
- Propagation of the mutual coherence function for an infinite plane wave through a turbid medium (T), OL 1: 104
- Proposal for the determination of the complex degree of spatial coherence (T), OL 1: 133
- Pulse holography of uniformly moving objects (T), AO 14: 602
- Q-switched Nd<sup>3+</sup> glass laser of variable temporal coherence (E), AO 13: 1071
- Quantum optical coherence effects in superconducting tunnel junctions (A), JOSA 68: 701
- Quasi-homogeneous Gaussian light beams (A), JOSA 69: 1413
- Radiant intensity and spatial coherence for finite planar sources (T), JOSA 67: 241
- Radiant intensity from planar sources of any state of coherence (T), JOSA 68: 1597
- Radiation from fluctuating three-dimensional scalar sources (A), JOSA 69: 1413
- Radiative energy transfer in a randomly fluctuating medium (A), JOSA 68: 1420
- Radiometric laws with partially coherent light (A), JOSA 69: 1414
- Radiometry of partially coherent fields (A), JOSA 66: 1075
- Radiometry with sources of any state of coherence (T), JOSA 64: 1219
- Raman and fluorescent scattering by molecules embedded in small particles: results for coherent optical processes (T), JOSA 68: 1686
- Rayleigh-Sommerfeld diffraction theory, partial coherence and Lambert's Law (A), JOSA 67: 1366
- Recent Advances in Optical Physics; *Proceedings of 1975-ICO-10 Prague*. Edited by Bedrich Havelka and Jan Blabka (B), Reviewed by Harris, Franklin S., Jr., AO 16: 2778
- Reciprocity relations between the far field and the source field generated by a planar source of any state of coherence (A), JOSA 68: 1410
- Reconstructions of images of partially coherent objects from samples of mutual intensity (TE), JOSA 67: 796
- Resolution of partially coherent objects by use of speckle interferometry (T), JOSA 64: 155
- Resolvable degrees of freedom in observation of a coherent object (T), JOSA 67: 833
- Results in the theory of a plane-mirror interferometer (T), JOSA 68: 1124
- Scattering from a spherical particle by two crossed coherent beams (A), JOSA 64: 1398
- Scattering of two coherent light beams (T), JOSA 65: 586
- Signal-to-noise ratio in images of partially coherent objects (A), JOSA 65: 1198
- Simultaneous tackling of the problems of temporal coherence length and speckle in holography (A), JOSA 64: 1382
- Space-invariant multiple-grating interferometers in holography (T), JOSA 69: 689
- Spatial and frequency distributions of the intensity of pulsed amplified spontaneous emission (TE), JOSA 69: 167
- Spatial coherence in Rayleigh-scattered light (E) (L), JOSA 64: 1276
- Spatial coherence measurements of Rayleigh-scattered light (T) (L), JOSA 65: 740
- Spatial coherence of a ruby laser beam by interferometry (ET), AO 17: 3500
- Spatial coherence properties of light scattered by disclinations in a liquid crystal (TE), AO 15: 2468
- Spatial correlation of phase-expansion coefficients for propagation through atmospheric turbulence (T), JOSA 69: 712
- Spatial irradiance interferometry with sources of arbitrary symmetry, JOSA 64: 11
- Spatial relationships between the polarization ellipses and the Poynting vector near focus of a wide-angle coherent beam (A), JOSA 65: 1226
- Speckle elimination using random spatial phase modulation (E) (L), AO 16: 1473
- Spectral coherence and the concept of crossed-spectral purity (A), JOSA 65: 1198
- Spectral coherence and the concept of cross-spectral purity (T), JOSA 66: 529
- Stark-induced optical transients in ruby (E), OL 2: 10
- Statistical properties of counting distributions for intensity-modulated radiation (A), JOSA 68: 1421
- Statistical properties of counting distributions for intensity-modulated sources (TE), JOSA 69: 539
- Statistical properties of synchrotron radiation (T), JOSA 64: 1433
- Superresolution in incoherent imaging system (T) (L), JOSA 65: 354
- Tatarskii's investigations into the foundations of the theory of radiative energy transfer (A), JOSA 66: 1065
- Temporal coherence length and speckle: a simultaneous approach to those problems in holography (E) (L), AO 14: 2051
- Theorem on the uniqueness of the generalized radiance (T), OL 3: 127
- Transfer function of coherent optical systems with quadratic detection (TE), JOSA 69: 628
- Transfer relation between object transmittance and image irradiance (A), JOSA 64: 1398
- Transmission of chaotic light through a bistable system (A), JOSA 68: 1421
- Two-photon coherent effects: theory and experiment (A), JOSA 68: 695
- Two-photon coherent propagation and third-harmonic generation (T), OL 1: 158
- Two-time correlations in the Jaynes-Cummings model (A), JOSA 69: 1414
- Up-down frequency shifter for optical heterodyne interferometry (T) (L), JOSA 65: 960
- Velocity and depth contours with a mode-locked pulse (T) (L), AO 15: 1128
- Walther's definitions of generalized radiance (T) (L), JOSA 64: 1273
- Walther's definitions of generalized radiance: reply (L), JOSA 64: 1275
- Weak refractive scattering: a model system (T) (L), JOSA 69: 1036
- Wide aperture optical correlator—spectrum analyzer: evaluation of a new design, AO 14: 2944

## Collimators

- Active annular-beam laser autocollimator system (E), AO 14: 1890
- Catoptric system (P), AO 18: 3757
- Design of single element gradient-index collimator (T), JOSA 67: 1137

## Color

- Analytic approximations for the CIE 1964 ten-degree-field color-matching functions (T), JOSA 64: 89
- Basic equations used in computer color matching. II. Tristimulus match, two-constant theory (T), JOSA 64: 991
- Beam splitting assembly (P), AO 16: 279
- Birren-Yale collection of books on color (N), JOSA 64: 1730
- Canadian Society for Color, 4th annual meeting, Ottawa, 11-14 May 1976 (M), Reported by Alman, David H., AO 15: 1884
- Chromatic-adaptation study by subjective-estimation method (ET), JOSA 64: 743
- Chromatic brightness for lights of constant luminance (A), JOSA 69: 1405
- CIE report on color rendering properties of light sources (N), AO 14: 1278
- CIE report on color rendering properties of light sources (N), JOSA 65: 860
- Color and graphic arts exhibit, Library of Congress, through 30 Mar 1975 (N), JOSA 65: 105
- Color changes caused by specified changes of the illuminant (A), JOSA 65: 1174
- Color coding of spatial frequencies using incoherent optical processing (E), AO 18: 4206
- Color copying apparatus (P), AO 17: 1474
- Color data acquisition camera (P), AO 13: 12A26
- Color-design viewer (A), JOSA 65: 1175
- Color discrimination as a function of observer adaptation (E), JOSA 64: 750
- Color discrimination for the color blind (A), JOSA 64: 1386
- Color electrophotographic imaging process (P), AO 13: 2960
- Color electrostatic copying apparatus (P), AO 13: 2961
- Color encoding with volume phase gratings (A), JOSA 64: 1394
- Color essays (A), JOSA 64: 1373
- Color essays (R), JOSA 65: 483
- Color-film spectral sensitivities by Hadamard spectrosensitometry (T), JOSA 66: 1355
- Colorimetric data for samples of OSA uniform color scales (E), JOSA 68: 121
- Colorimetric significance of emission lines in illuminants (A), JOSA 65: 1175
- Colorimetric significance of mercury-emission lines in fluorescent lamps (T), JOSA 65: 1354
- Color in Business, Science and Industry. By Deane B. Judd and Gunter Wyszecki (B), Reviewed by Kaiser, Peter K., JOSA 66: 637
- Color induction: dependence on luminance, purity, and dominant or complementary wavelength of inducing stimuli (E), JOSA 64: 1531
- Color of the ocean (T), AO 17: 1432
- Color Perception in Art. By Faber Birren (B), Reviewed by MacAdam, David L., JOSA 67: 130
- Color printer using light flash tubes (P), AO 13: 2961
- Color recognition system (P), AO 18: 3488
- Color reproduction apparatus (P), AO 13: 12A26
- Color separation gratings (TE), AO 17: 2273
- Colors of light signals (N), AO 14: 1591
- Colors of light signals ICI recommendations (N), JOSA 65: 975
- Color: theory and imaging systems, SPSE tutorial seminar on, New York City, 20-21 Sep 1973 (M), Reported by Voglesong, William F., AO 13: 9
- Color vision and optokinetic nystagmus (A), JOSA 64: 1387
- Color Vision Deficiencies in Youths 12-17 Years of Age, United States (B), JOSA 64: 894
- Color, vive la difference (poem), AO 13: 1912
- Colour 73 (B), Reviewed by Kaiser, Peter K., JOSA 64: 1349
- Colour 1973: Proceedings of the Second Congress of the International Colour Association. Edited by R. W. G. Hunt (B), Reviewed by Wright, W. D., AO 13: 12A18
- Comparison of spectral sensitivity functions of the owl monkey at two stimulus sizes (A), JOSA 64: 1386



- Complementary colors: composition and efficiency in producing various whites (T), JOSA 68: 1490
- Computer Colorant Formulation. By Rolf G. Kuehni (B), Reviewed by Macadam, David L., AO 16: 1119
- Computer Colorant Formulation. By Rolf G. Kuehni (B), Reviewed by Billmeyer, Fred W., Jr., JOSA 66: 743
- Computer simulation of object-color recognizers (A), JOSA 69: 1405
- Conference of the Canadian Society for Color in Art, Industry, and Science, third annual, Waterloo University, 8-10 May 1975 (R), JOSA 65: 105
- Corresponding chromaticities for different states of chromatic adaptation in complex visual fields (A), JOSA 69: 1406
- Counting metameric object-color stimuli using frequency-limited spectral reflectance functions, JOSA 67: 779
- Curve analysis method in color printing (P), AO 13: 2959
- Davidson, Hugh, Inter-Society Color Council's Godlove Award (N), AO 16: 2331
- Deane B. Judd—AIC Award to be established (N), JOSA 65: 1086
- Deane Judd's collection from NBS accepted by Ohio State University (N), AO 14: 1631
- Designing illuminants that render given objects in prescribed colors (T), JOSA 66: 269
- Determining proper color balance in color printing (P), AO 14: 1240
- Diffraction effects with lenticular projection screens (T), JOSA 65: 139
- Direct estimation of lightness of surface colors (E), JOSA 64: 206
- Effect of spectrophotometric errors on color difference (T), JOSA 67: 772
- Effect of surround on perceived saturation (E), JOSA 64: 1328
- Farbenlehre und Farbenmessung. Von Werner Schultze (B), Reviewed by Nimeroff, Isadore, AO 15: 1369
- Farbenlehre und Farbenmessung. Von Werner Schultze (B), Reviewed by Wyszecski, Gunter, JOSA 66: 393
- Fiber optic faceplate excited Ruticon color image reproduction system (E) (L), AO 14: 1770
- Filter model for lightness and brightness on different backgrounds (T), JOSA 65: 1101
- Generating metameric object colors (T) (L), JOSA 65: 1081
- Generation of color images with one-step rainbow holograms (E) (L), AO 17: 1490
- Heterochromatic luminance additivity in pigeons (A), JOSA 64: 1387
- Increment thresholds across minimally distinct borders (E), JOSA 64: 760
- Influence of luminance contrast on hue discrimination (E), JOSA 64: 763
- Inter-Society Color Council technical reports (N), AO 17: 3196
- Least purity difference perceptible near spectrum locus as a function of wavelength (A), JOSA 64: 1386
- Lens material for reducing effective color vision (P), AO 13: 12A26
- Linear-programming approach to color-recipe formulations (T), JOSA 64: 1541
- Luminance-scaled chromaticity transform (A), JOSA 65: 1174
- Luminous-efficiency functions determined by heterochromatic brightness matching (E) (L), JOSA 65: 466
- Measurement of Appearance. By Richard S. Hunter (B), Reviewed by Marcus, Robert T., JOSA 66: 1441
- Mesopic photometry with nonmonochromatic lights (A), JOSA 64: 1386
- Metameric white samples for testing the relative UV content of light sources and of natural daylight (E), AO 18: 1067
- Method for deriving color-difference-perceptibility ellipses for surface-color samples (TE), JOSA 65: 956
- Method for deriving color-difference-perceptibility ellipses for surface-color samples (TE) (errata), JOSA 65: 1389
- Model for chromatic adaptation (A), JOSA 64: 1386
- Modern Chromatics: Students' Text-Book of Color with Applications to Art and Industry. By Ogden N. Rood (B), Reviewed by Saltzman, Max, JOSA 65: 360
- Modern Problems in Ophthalmology, Volume 17. Edited by E. B. Streiff (B), Reviewed by Boynton, Robert M., JOSA 69: 371
- Multicolor imagery from holograms by spatial filtering (TE), AO 14: 438
- Munsell rennotations for samples of OSA uniform color scales (E) (L), JOSA 68: 1343
- New Japanese color system: Chroma Cosmos 5000 (L), JOSA 69: 922
- Newly invented halftone screens and improved polychromatic reproduction process (A), JOSA 68: 1401
- Nonlinear optimization; some applications to colorant formulations (T), AO 14: 1452
- No oblique effect in chromatic pathways (E), JOSA 65: 1512
- Null coordinates for the opponent color channels (A), JOSA 69: 1406
- Ocean color spectra measured off the Oregon coast: characteristic vectors (E), AO 15: 394
- Ocean color spectrum calculations (T), AO 13: 2422
- Oddity recognition as a test for hue-difference perception (A), JOSA 64: 1385
- Optical color mixing (P), AO 17: 1473
- Optical pseudocolor encoding of spatial frequency information (ET), AO 17: 2524
- Optical teaching aid for spectral composition of light (P), AO 17: 1474
- Optimal colors and luminous fluorescence of bluish whites (T), JOSA 65: 213
- Orthoscopic color holography of 3-D objects (E) (L), AO 14: 565
- OSA Committee on Uniform Color Scales uniformly spaced color samples (N), AO 16: 2426
- Perceived saturation in complex stimuli viewed in light and dark surrounds (E), JOSA 67: 657
- Perception of Color. By Ralph M. Evans (B), Reviewed by Kaiser, Peter K., JOSA 65: 1083
- Phase effects in flicker photometry (A), JOSA 64: 1385
- Planimetric analysis of color images using a vector least-squares algorithm (A), JOSA 64: 561
- Planimetric analysis of color images using least-squares and related algorithms (T), JOSA 65: 191
- Preparation of the OSA uniform color scales committee samples (E) (L), JOSA 68: 1141
- Production of color coded equidensities using nonlinear filtering (E), AO 16: 1951
- Proposal for study of color spaces and color-difference evaluations (N), JOSA 64: 896
- Protonopia (N), AO 16: 2382
- Pseudocolor encoding of holographic imaging (ET), OL 3: 57
- Pseudocolor encoding of holographic images using a single wavelength (ET), AO 17: 2532
- Recognition of traffic signals viewed through colored filters (ET), JOSA 65: 1106
- Recommendations on uniform color spaces—color-difference equations—psychometric color terms (N), JOSA 68: 1791
- Relation between Munsell and Swedish Natural Color System scale (T), JOSA 65: 85
- Saturation of spectral lights (E), JOSA 66: 818
- Set of uniform color standards (N), JOSA 67: 421
- Set of 552 uniformly spaced color samples designed by the OSA Committee on Uniform Color Scales (N), JOSA 67: 853
- Simplified phase functions for colorant characterization (T), JOSA 65: 839
- Single anomalous photopigment? (E) (L), JOSA 66: 276
- Sinusoidal flicker characteristics of primate cones in response to heterochromatic stimuli (ET), JOSA 65: 1091
- Space lattice used to sample the color space of the committee on uniform color scales of the Optical Society of America (TE) (L), JOSA 68: 1616
- Spatio-temporal frequency characteristics of color-vision mechanisms (E), JOSA 64: 983
- Spectrum analyzing system with photodiode array (P), AO 18: 3999
- Surface Colors for Visual Signalling Report by CIE (N), JOSA 68: 557
- Technique to establish that rods contribute to steady-state detection threshold measured with a green test probe (A), JOSA 64: 1387
- Temporal response of three types of primate cones (A), JOSA 64: 1385
- Theoretical chromaticity-mismatch limits of metamers viewed under different illuminants (T), JOSA 65: 327
- Theoretical chromaticity-mismatch limits of metamers due to a change from CIE illuminant D<sub>65</sub> to C (T) (L), JOSA 65: 1152
- Three pigments in normal and anomalous color vision (TE), JOSA 64: 92
- Translating color information of a pattern into recordings (P), AO 13: 12A26
- Truth of color, poem (N), AO 17: 2161
- Uniform color scales (N), AO 13: 117
- Uniform color scales (ET), JOSA 64: 1691
- Uniform color scales: Munsell conversion of OSA committee selection (T), JOSA 65: 205
- Uniformly spaced color samples (N), JOSA 67: 715
- Uniformly spaced color samples available, Optical Society of America (N), AO 16: 1635
- Unit color-difference figures derived from the proposed CIE 1976 L+a+b+ space (T) (L), AO 13: 2475
- Unit color-difference figures derived from the proposed CIE 1976 L+a+b+ space (errata), AO 14: 1770
- Using uniform color scales (N), JOSA 67: 996
- Visual Fourier-transform spectroscopy with a single crystal plate (ET), JOSA 65: 817
- White-light Fraunhofer diffraction (TE), JOSA 69: 584
- White-light Fresnel diffraction by a circular aperture (TE), JOSA 67: 643
- Whiteness formulas: a selection (T), AO 18: 1073
- Whiteness: photometric specification and colorimetric evaluation (R), AO 15: 2039
- Zbornik Praci Vyzkumneho Ustavu Zvukove, Obrazove a Reproduzni Techniky, 1974 Svazek 5 Vuzort Praha 1974. J. Polasek and J. Struska, eds. (B), Reviewed by Grum, Franc, JOSA 65: 1383

## Colorimetry

- Absorption and excitation spectra of fluorescently brightened fabrics (ET), AO 14: 1627
- Analytic approximations for the CIE 1964 ten-degree-field color-matching functions (T), JOSA 64: 89
- Apparatus for recognizing colors (P), AO 14: A52
- Archival characteristics of Fourier color holograms (T), AO 17: 1059
- Assessment of the ultraviolet range of artificial light sources for the best fit to standard illuminant D<sub>65</sub> (T), AO 14: 726
- Assessment of the ultraviolet range of artificial light sources for the best fit to standard illuminant D<sub>65</sub> (T) (L), AO 16: 806
- Chromaticity and luminous efficiency of phase imaging systems (TE), AO 16: 3154
- Chromaticity diagram showing cone excitation by stimuli of equal luminance (T) (L), JOSA 69: 1183
- Color analyzer (P), AO 13: 2960
- Color-encoded focused image holograms (ET), AO 15: 2189
- Color essays (R), JOSA 65: 483
- Colorimetric data for samples of OSA uniform color scales (E), JOSA 68: 121
- Colorimetric significance of mercury-emission lines in fluorescent lamps (T), JOSA 65: 1354
- Color induction: dependence on luminance, purity, and dominant or complementary wavelength of inducing stimuli (E), JOSA 64: 1531
- Color-measurement instrumentation (E), AO 13: 1519
- Comparative performance of color-measuring instruments: second report (E), AO 13: 1510
- Comparative performance of color-measuring instruments: second report, comments (E) (L), AO 14: 265
- Comparative performance of color-measuring instruments: second report; reply to comments (E) (L), AO 14: 265
- Complementary colors: composition and efficiency in producing various whites (T), JOSA 68: 1490
- Computer Colorant Formulation. By Rolf G. Kuehni (B), Reviewed by Billmeyer, Fred W., Jr., JOSA 66: 743
- Correlated color temperature? (E) (L), JOSA 67: 839
- Counting metameric object-color stimuli using frequency-limited spectral reflectance functions, JOSA 67: 779
- Cyclic colorimetry apparatus (P), AO 18: 3891
- Design of a printed spectrum using modified Neugebauer halftone equations (ET), JOSA 65: 323



- Effect of spectrophotometric errors on color difference (T), JOSA 67: 772
- Effect of surround on perceived saturation (E), JOSA 64: 1328
- Evaluation of whiteness (TE), JOSA 64: 210
- Expansion of a plane wave in terms of Laguerre-Gaussian functions and the spectral response of Seflacs (T), JOSA 65: 56
- Extreme errors of numerical integrations in colorimetric calculations (T), JOSA 65: 834
- Farbenlehre und Farbenmessung. Von Werner Schultze (B), Reviewed by Wyszecki, Gunter, JOSA 66: 393
- Fast computation of tristimulus values by use of Gaussian quadrature (T), JOSA 65: 91
- Generating metameric object colors (T) (L), JOSA 65: 1081
- Handbook of Optics. Edited by Walter G. Driscoll and William Vaughan (B), Reviewed by Wright, W. D. AO 18: 416
- Improved operation of a colorimeter (P), AO 13: 2959
- Instrumentation for the Farnsworth-Munsell 100-hue test (L), JOSA 67: 248
- Measurements of white uniformity of color picture tubes (E) (L), AO 13: 1270
- Method for deriving color-difference-perceptibility ellipses for surface-color samples (TE), JOSA 65: 956
- Method for deriving color-difference-perceptibility ellipses for surface-color samples (TE) (errata), JOSA 65: 1389
- Multiple channel colorimeter (P), AO 15: 11
- Munsell renotations for samples of OSA uniform color scales (E) (L), JOSA 68: 1343
- Optimal colors and luminous fluorescence of bluish whites (T), JOSA 65: 213
- Proposal for study of color spaces and color-difference evaluations (N), JOSA 64: 899
- Relation between Munsell and Swedish Natural Color System scale (T), JOSA 65: 85
- Space lattice used to sample the color space of the committee on uniform color scales of the Optical Society of America (TE) (L), JOSA 68: 1616
- Test colors for specifying color reproduction (TE) (L), AO 14: 1768
- Textile color analyzer calibration (P), AO 17: 1474
- Theoretical chromaticity-mismatch limits of metamers viewed under different illuminants (T), JOSA 65: 327
- Theoretical chromaticity-mismatch limits of metamers due to a change from CIE illuminant D<sub>65</sub> to C (T) (L), JOSA 65: 1152
- Treatment of metamerism in colorimetry (T), JOSA 66: 601
- Uniform color scales: CIE 1964  $U+V+W+$  conversion of OSA Committee selection (T), JOSA 65: 456
- Uniform color scales (ET), JOSA 64: 1691
- Whiteness: photometric specification and colorimetric evaluation (R), AO 15: 2039
- White uniformity measurements on color TV picture tubes (E), AO 18: 135
- Color measurement**
- Assessment of the ultraviolet range of artificial light sources for the best fit to standard illuminant D<sub>65</sub> (T), AO 14: 726
- Chromatic adaptation and the CIE 1976,  $L^*, a^*, b^*$  color coordinate system (A), JOSA 68: 1401
- Chromatic border distinctness: not an index of hue or saturation differences (E), JOSA 69: 113
- Chromaticity diagram showing cone excitation by stimuli of equal luminance (T) (L), JOSA 69: 1183
- Color-tolerance data and the tentative CIE 1976  $L^*a^*b^*$  formula (T) (L), JOSA 66: 497
- Comparative performance of color-measuring instruments: second report (E), AO 13: 1510
- Comparative performance of color-measuring instruments: second report; reply to comments (E) (L), AO 14: 265
- Comparative performance of color-measuring instruments: second report, comments (E) (L), AO 14: 265
- Counting metameric object-color stimuli using frequency-limited spectral reflectance functions, JOSA 67: 779
- Delimitation of saturation in CIE system (A), JOSA 68: 1400
- Digital spectral synthesis (A), JOSA 66: 1125
- Effect of spectrophotometric errors on color difference (T), JOSA 67: 772
- Effect of truncation of the CIE chromatic evaluation (A), JOSA 67: 1380
- Effect of wavelength range on the CIE chromaticity system (A), JOSA 68: 1400
- Effects of spectrophotometric errors on color difference (A), JOSA 66: 1104
- Einfuehrung in die Farbmatrik, (Introduction to Color Measurement), Goeschel Collection 2608. By Manfred Richter (B), Reviewed by Grum, Franc, JOSA 67: 850
- Einfuehrung in die Farbmatrik. Von Manfred Richter (B), Reviewed by Meyer-Arendt, Jurgen R., AO 16: 7
- Equal lightness contours for surface colors (A), JOSA 69: 1406
- Image colorimeter (P), AO 16: 12
- Maxwell spot and additivity in tetrachromatic matches (E), JOSA 68: 1501
- Mobile spectrophotometer for art curators and biologists (A), JOSA 65: 1174
- Munsell renotations for samples of OSA uniform color scales (E) (L), JOSA 68: 1343
- Pair comparisons of adjacent colors in OSA uniform color scales (A), JOSA 69: 1406
- Proposed extension of the CIE recommendation on "uniform color spaces, color difference equations, and metric color terms" (T) (L), JOSA 66: 866
- Recommendations on uniform color spaces - color-difference equations - psychometric color terms (N), AO 17: 3390
- Saturation of colored samples at various levels of reflectance (A), JOSA 66: 1104
- Saturation of colored samples at various levels of reflectance (E), JOSA 67: 647
- Spectral distribution of Australian daylight (E), JOSA 68: 437
- Spectrophotometric curves of UCS color cards and their colorimetric data for CIE 1931 observer and illuminant C (L), JOSA 69: 207
- Tristimulus integration with hand-held calculator (L), JOSA 69: 207
- Uniform color scales (A), JOSA 66: 1103
- Uniform color scales: CIE 1964  $U+V+W+$  conversion of OSA Committee selection (T), JOSA 65: 456
- Whiteness perception: individual differences and common trends (E), AO 18: 2963
- Color reproduction**
- Design of a printed spectrum using modified Neugebauer halftone equations (ET), JOSA 65: 323
- Digital spectral synthesis (A), JOSA 66: 1125
- Color vision**
- Accommodation and color (E), JOSA 68: 459
- Analysis of chromatic-adaptation effect by a linkage model (T), JOSA 67: 651
- Binocular rivalry during establishment of the McCollough effect (A), JOSA 65: 1200
- Brightness matching data and mathematical color vision models (N), JOSA 68: 1155
- Calibrating Maxwellian optical systems (A), JOSA 68: 1392
- Chromaticity diagram showing cone excitation by stimuli of equal luminance (T) (L), JOSA 69: 1183
- Chromatic two-pulse resolution with and without luminance transients (E), JOSA 67: 1501
- Color matching of sawtooth flickering lights (A), JOSA 65: 1200
- Color Vision: An Historical Introduction. By Gerald S. Wasserman (B), Reviewed by MacAdam, David L., JOSA 69: 636
- Color vision in the peripheral retina. I. Spectral sensitivity (E), JOSA 67: 195
- Color vision in the peripheral retina. II. Hue and saturation (E), JOSA 67: 202
- Color vision in the ultraviolet (A), JOSA 65: 1199
- Contributions of chromatic mechanisms to visual contour perception (A), JOSA 65: 1193
- Convergence of saturation functions of surface colors (A), JOSA 65: 1194
- Correlated color temperature? (E) (L), JOSA 67: 839
- Correlation of abnormalities between the spatial and temporal resolution and the chromatic adaptation in the blue mechanism (A), JOSA 68: 551
- Dalton's, John, discovery of his colour blindness (N), AO 16: 520
- Detection threshold for lights of varying purity (TE) (L), JOSA 69: 632
- Differences between red and green color-mechanism characteristics: interaction or artifact? (E) (L), JOSA 66: 1430
- Duration thresholds for chromatic stimuli (TE), JOSA 69: 103
- Effect of chromatic uncertainty on detectability of a visual stimulus (E) (L), JOSA 68: 266
- Evaluation of single-pigment shift model of anomalous trichromacy (TE), JOSA 67: 1196
- Evaluation of the Lovibond color-vision analyzer (A), JOSA 65: 1175
- Flashback to Maxwell: flicker matching (A), JOSA 65: 1200
- Fourier optics and color vision (A), JOSA 67: 1380
- General zone theory of color and brightness vision. I. Basic formulation (T), JOSA 68: 1465
- General zone theory of color and brightness vision. II. The space-time field (T), JOSA 68: 1471
- Initial distinctness and subsequent fading of minimally distinct borders (E) (L), JOSA 67: 1126
- Large-field color naming of dichromats with rods bleached (E), JOSA 69: 1259
- Large-field trichromacy in protanopes and deuteranopes (E), JOSA 67: 213
- Luminance-brightness comparisons of LED alpha-numeric sources at suprathreshold levels (E), JOSA 68: 949
- Luminance, not brightness, determines temporal brightness enhancement with chromatic stimuli (E), JOSA 69: 581
- Maxwell spot and additivity in tetrachromatic matches (E), JOSA 68: 1501
- McCollough effect: pattern-alteration rate influences establishment (A), JOSA 65: 1200
- Mechanisms of Colour Vision, Selected Papers of W. S. Stiles. By W. S. Stiles (B), Reviewed by Carter, Ellen C., AO 17: 3511
- Modulation sensitivity of human color mechanisms (E) (L), JOSA 66: 1436
- Monochromatic observations of pattern-induced flicker colors (A), JOSA 65: 1200
- Nature of the II<sub>1</sub> color mechanism of W. S. Stiles (A), JOSA 65: 1199
- Perceived saturation in complex stimuli viewed in light and dark surrounds (A), JOSA 65: 1194
- Perceived saturation in complex stimuli viewed in light and dark surrounds (E), JOSA 67: 657
- Photopic spectral sensitivity of the peripheral retina (E), JOSA 65: 334
- Photopigments in anomalous trichromats (E) (L), JOSA 65: 1522
- Predicting the visual distinctness of borders formed by different colors (A), JOSA 65: 1194
- Scotopic luminosity function and color-mixture data (TE), JOSA 67: 1494
- Sensitivity of human color mechanisms to gratings and flicker (E) (L), JOSA 65: 966
- Simultaneous color contrast of Hermann pattern for normal versus defects (A), JOSA 65: 1194
- Step size in the Munsell color-order system by pair comparisons near 5Y 7.5/1 and bisections near 10R 7/8 (E), JOSA 65: 208
- Substitution pupil response exposes chromatic mechanisms (A), JOSA 68: 1392
- Test using hue and saturation (P), AO 13: 2177
- Variegated color sensations from rod-cone interactions: flicker-fusion experiments (A), JOSA 65: 1200
- Visual detectability of chromatic-contrast targets (A), JOSA 65: 1193
- Visual evoked responses to colored light stimuli (A), JOSA 65: 1205
- Visual sensitivity of the eye to infrared laser radiation (E), JOSA 66: 339
- When the trichromat behaves like a tritanope: the distinctness of borders at MDB depends on only two cone types (A), JOSA 65: 1193
- Whiteness perception: individual differences and common trends (E), AO 18: 2963
- Color vision, adaptation**
- Chromatic adaptation (A), JOSA 67: 1374
- Color vision, discrimination**
- Ability of color detectives to judge signal lights at sea (E), JOSA 69: 106



- Area reciprocity law for wavelength discrimination (A), JOSA 68: 1399
- Binocular color fusion limit (E), JOSA 69: 316
- Chromatic border distinctness: not an index of hue or saturation differences (E), JOSA 69: 113
- Color difference judgments under daylight and incandescent illumination (A), JOSA 68: 1401
- Color discrimination with annular pupil imaging (A), JOSA 68: 1401
- Color or contrast: which is more important for border perception? (A), JOSA 67: 1409
- Directional sensitivities of the human  $\pi$ -mechanisms (A), JOSA 68: 1399
- Duration thresholds for lights of varying purity (A), JOSA 68: 1399
- Effect of wavelength on binocular summation (A), JOSA 68: 1438
- Evaluation of color discrimination in the white region (A), JOSA 68: 1401
- Evaluation of color discrimination in the white region (E), JOSA 69: 1355
- Field sensitivity of chromatic mechanisms in the monkey retina (A), JOSA 67: 1379
- Flicker fusion of opponent and nonopponent LGN cells in macaque (A), JOSA 67: 1379
- Functional visual field for color discrimination (A), JOSA 68: 1400
- Heterochromatic luminance additivity and the CFF response (A), JOSA 67: 1379
- Large-field red/green discriminations with rods bleached (A), JOSA 68: 1392
- Luminance and opponent-color contributions to visual detection and adaptation and to temporal and spatial integration (E), JOSA 66: 709
- Luminous efficiency functions determined by successive brightness matching (E), JOSA 68: 1767
- Proximity factor in color-difference evaluations (ET), JOSA 66: 40
- Scotopic spectral sensitivity of 3-month-old human infants (A), JOSA 69: 1478
- Simultaneous color contrast in colored Hermann grids of equal lightness and saturation (A), JOSA 68: 1399
- Spatial-frequency selectivity with color gratings (A), JOSA 68: 1400
- Spatial processing of color and luminance information (A), JOSA 69: 1417
- Stiles-Crawford II Effect at high bleaching levels (A), JOSA 67: 1362
- Visibility of chromatic flicker upon spectrally mixed adapting fields (A), JOSA 68: 1399

## Color vision, physiology

- Additivity of chromatic valence of two wavelengths (A), JOSA 68: 1438
- Anomalous dispersion of rhodopsin in rod outer segments of the frog (ET), JOSA 66: 56
- Brightness enhancement and reduction for mixture of white and colored light (A), JOSA 68: 1438
- Color image processing based on a model of visual perception (A), JOSA 66: 1127
- Cone interactions at high flicker frequencies: evidence for cone latency differences? (E) (L), JOSA 67: 1601
- Cone interactions at high flicker frequencies: evidence for cone latency differences? (errata), JOSA 68: 277
- Cone latency differences to chromatic stimuli (A), JOSA 66: 1102
- Duration thresholds for chromatic stimuli (A), JOSA 67: 1380
- Effects of white adaptation on spectral sensitivity and heterochromatic additivity (A), JOSA 68: 1437
- Failure of additivity for color matches in heterozygous women (A), JOSA 69: 1420
- Large-field trichromacy in dichromats: intensity invariance of matches (A), JOSA 66: 1103
- Luminance-brightness comparisons of separated circular stimuli (A), JOSA 69: 1420
- MDB and flicker photometry with chromatic adaptation (A), JOSA 68: 1392
- Patient with cortical colorblindness (A), JOSA 69: 1421
- Pedigree involving the tritan color deficiency (A), JOSA 68: 1392
- Perceptual basis of brightness and luminance measurements (A), JOSA 67: 1379
- Phase-dependent sensitivity to heterochromatic flicker (A), JOSA 69: 1420
- Possible photopigment input to the opponent chromatic mechanisms (A), JOSA 67: 1379

- Postreceptor adaptation in dichromats (A), JOSA 69: 1420
- Postreceptor chromatic adaptation (A), JOSA 66: 1103
- Sensitization of blue cones by light (A), JOSA 69: 1420
- Spectral locus of unique yellow in anomalous trichromats (A), JOSA 66: 1103
- Threshold pupillary contraction in color normals and abnormals (A), JOSA 67: 1381
- Tritanopic purity-difference function to describe the properties of minimally distinct borders (ET), JOSA 67: 1330
- Unique color defect in an incomplete typical achromat (A), JOSA 67: 1381
- Using color substitution pupil response to expose chromatic mechanisms (TE), JOSA 69: 1029

## Color vision, psychophysics

- Ability of color detectives to judge signal lights at sea (E), JOSA 69: 106
- Autosomal recessive incomplete achromatopsia with deutan luminosity (A), JOSA 68: 1392
- Bezold-Bruecke phenomenon of the extrafoveal retina (TE), JOSA 69: 1648
- Binocular color fusion limit (A), JOSA 68: 1438
- Binocular color fusion limit (E), JOSA 69: 316
- Chromostereopsis with small pupils (E) (L), JOSA 65: 358
- Colored pincushion grids, complements, and color vision (A), JOSA 68: 1400
- Color Mondrian experiments: the study of average spectral distributions (A), JOSA 67: 1380
- Contingent aftereffects, "plaid" patterns, and spatial filtering (A), JOSA 69: 1419
- Effect of field size on red-green color mixture equations (ET), JOSA 66: 705
- General zone theory of color and brightness vision. I. Basic formulation (T), JOSA 68: 1465
- General zone theory of color and brightness vision. II. The space-time field (T), JOSA 68: 1471
- Genetics of red-green color blindness (A), JOSA 68: 1387
- Influences of size, shape, retinal locus, and field structure on perceived color (A), JOSA 69: 1417
- Interactions between simultaneous contrast and colored afterimages (A), JOSA 67: 1380
- Longwave signal for transient tritanopia (A), JOSA 69: 1420
- Luminance and opponent-color contributions to visual detection and adaptation and to temporal and spatial integration (E), JOSA 66: 709
- Luminance and opponent color contributions to visual detection and to temporal and spatial integration: comment (T) (L), JOSA 68: 1143
- Luminance and opponent color contributions to visual detection and to temporal and spatial integration: reply to comments (T) (L), JOSA 68: 1146
- Luminance and opponent color contributions to visual detection and to temporal and spatial integration: comment (errata), JOSA 68: 1787
- Maxwell spot and additivity in tetrachromatic matches (E), JOSA 68: 1501
- Opponent chromatic mechanisms: relation to photopigments and hue naming (TE), JOSA 69: 422
- Orientation selectivity in detection of chromatic gratings (E), OL 4: 306
- Prediction of color-matching functions (A), JOSA 67: 1375
- Role of the ERG in the study of primate color vision (A), JOSA 68: 1387
- Saturation of colored samples at various levels of reflectance (E), JOSA 67: 647
- Thresholds of color difference: a new look (A), JOSA 68: 1387
- Two-band model of heterochromatic flicker (E), JOSA 67: 1081
- Using color substitution pupil response to expose chromatic mechanisms (TE), JOSA 69: 1029
- Variegated color sensations from rod-cone interactions: Flicker-fusion experiments (E) (L), JOSA 67: 119

## Communication optics

See Optical communications

## Communication theory

- Signal processing for a signal with Poisson noise (T) (L), AO 13: 1282

- Signal processing for a signal with Poisson noise: comments (T) (L), AO 13: 2462
- Signal processing for a signal with Poisson noise: reply to comments (T) (L), AO 13: 2463

## Computers

- Acceleration technique applied to conjugate-direction algorithms for nonlinear problems (L), JOSA 65: 851
- Adaptive self-optimizing multilayer thin-film-design computer program (A), JOSA 64: 548
- Analog visibility computer (E), AO 15: 999
- Analyzing spectral data: use of a graphics display terminal (E) (L), AO 17: 993
- Application of a microcomputer to optical spectroscopy (A), JOSA 67: 1420
- Application of a microcomputer to optical spectroscopy (E), AO 17: 2981
- Application of optimum coding sequences to computerized classical tomography (TE), AO 17: 3133
- Application of the LOTS computer code to the Antares laser fusion system and other physical optics problems (A), JOSA 68: 1436
- Automation of a laser absorption calorimeter (E), AO 17: 1938
- Carbon dioxide laser beam shaping with computer generated holograms (E) (L), AO 15: 2959
- Carbon dioxide laser drilling system for computer circuitry (A), JOSA 66: 380
- Computer-aided design of dither signals for binary display of images (ET), AO 18: 2708
- Computer Colorant Formulation. By Rolf G. Kuehni (B). Reviewed by Billmeyer, Fred W., Jr., JOSA 66: 743
- Computer-controlled Fabry-Perot interferometer for Brillouin spectroscopy (E), AO 18: 540
- Computer irons out details (N), AO 18: 2158
- Computer modeling of an optical polishing tool (A), JOSA 68: 1445
- Computer Modeling of Gas Lasers. By Kenneth Smith and R. M. Thomson (B). Reviewed by Garside, B. K., AO 18: 1472
- Computer-produced holograms for scanners utilizing an auxiliary reflector (TE), AO 17: 1582
- Computer program based on proximate ray tracing (A), JOSA 66: 1121
- Computer Programs for Infrared Spectrophotometry. Edited by R. Norman Jones *et al.* (B). Reviewed by Priest, Richard G., AO 17: 3856
- Computers and images (A), JOSA 66: 167
- Computers for Spectroscopists. By Members of the Ultraviolet Spectrometry Group. Edited by R. A. G. Carrington (B). Reviewed by Green, J. H. S., AO 15: 287
- Computers for Spectroscopists. Edited by R. A. G. Carrington (B). Reviewed by Grum, Franc, JOSA 65: 1157
- Computer Society publications catalog (N), AO 13: 7A14
- Computer Techniques for Image Processing in Electron Microscopy. By W. O. Saxton (B). Reviewed by Dainty, J. Christopher, JOSA 69: 921
- Counting particles by size with an optical-digital training method (T), AO 16: 1670
- Diffuse and specular reflections of infrared radiation from a sample to classify that sample (P), AO 13: 976
- Digital Processes, an international journal on the theory of digital systems (N), AO 14: 521
- Electrooptical switching in thin film waveguides for a computer communication bus (E), AO 18: 3296
- Fast computation of tristimulus values by use of Gaussian quadrature (T), JOSA 65: 91
- Guided wave electrooptic devices for logic and computation (T), AO 17: 1493
- Image Processing and Computer-Aided Design in Electron Optics. Edited by P. W. Hawkes (B). Reviewed by Kurtz, Robert L., AO 13: 451
- Infrared image construction with computer-generated reflection holograms (E) (L), AO 16: 2798
- Large-size distortion-free computer-generated holograms in photorealist (E) (L), AO 16: 2014
- Making computer-generated holograms on image-processing equipment (A), JOSA 68: 1440
- Matrix transform optical calculus for generalized linear dielectric media (T), AO 14: 1406



- Metric system, comments (N), AO 17: A131  
 National resource for computation in chemistry (N), AO 17: 108  
 NBS to study computers and copyrights (N), AO 14: A144  
 Nonlinear optimization; some applications to colorant formulations (T), AO 14: 1452  
 Optical computation using residue arithmetic (T), AO 18: 149  
 Optical computing (N), AO 17: A137  
 Optical computing conference, international, Zurich, 9-11 Apr 1974 (M), Reported by Casasent, David, AO 13: 2450  
 Optical computing conference, Washington, 23-25 Apr 1975 (N), AO 13: 10A13  
 Optical computing conference, Zuerich, 9-11 Apr 74 (N), AO 13: 196  
 Optical Computing, 3rd International Conference, Washington, D.C., 23-25 Apr 1975 (M), Reported by Kock, Winston E.; Stoke, George W., AO 14: 2785  
 Optical design and analysis program (T), AO 17: 3361  
 Optical design using desktop computers (A), JOSA 68: 1452  
 Optical gate (P), AO 15: 584  
 Optical residue arithmetic computer with programmable computation modules (T), AO 18: 2812  
 Optical storage of digital data, topical meeting (R), AO 13: 747  
 Optical system using adaptive holographic components (P), AO 14: 1042  
 Optical thin-film calculations using the HP-65 programmable pocket calculator (A), JOSA 66: 160  
 Participants sought for program involving application of computers to management (N), AO 15: 555  
 Performance evaluation of spatial light modulators (TE), AO 18: 2445  
 Phototypesetting computer program Setab (N), AO 13: 7A14  
 Programming the Hewlett-Packard 9815 calculator for optical design (A), JOSA 66: 1121  
 Publishing of calculator programs (N), AO 17: A263  
 Publishing of computer programs (N), AO 18: A85  
 Real time Walsh-Hadamard transformation of two-dimensional discrete pictures (P), AO 15: 1887  
 Reconstruction errors in computer generated binary holograms: a comparative study (TE), AO 14: 2252  
 Reconstruction of inhomogeneous scattering objects from holograms (E), AO 13: 162  
 Recording module of the 3M laser microfilm system (A), JOSA 66: 381  
 Reduction of the number of samples in computer holograms for image processing (T) (L), AO 13: 718  
 Review of Computer Networking Technology. Robert P. Blanc (B) (N), AO 14: 1417  
 Role of optical memories in computer storage (R), AO 13: 755  
 Short calculator programs (N), AO 18: A106  
 Signal-detection tradeoff-analysis of optical vs digital Fourier transform computers (T), AO 18: 36  
 Small computer use (N), AO 13: 7A14  
 Social impact (N), AO 13: 7A16  
 Software range of optical analog computers (A), JOSA 66: 169  
 Stereoscopic approach to 3-D display using computer-generated holograms (T), AO 15: 2722  
 Stereoscopic approach to 3-D display using computer-generated holograms: comment (TE) (L), AO 16: 2034  
 Student use of computers, financial support for documentation (N), AO 13: 1052  
 Textile color analyzer calibration (P), AO 17: 1474  
 Trends in storage of digital data (R), AO 13: 749  
 Two-dimensional analysis of retinal information transfer (T), JOSA 65: 842  
 Volume holograms constructed from computer-generated masks (ET), AO 17: 2537

## Conductivity

- Thermal conductivity, 13th international conference, Lake Ozark, 5-7 Nov 1973 (M), Reported by McElroy, D. L., AO 13: 225

## Conferences

- See journal annual indexes

## Constants

- See also Optical constants  
 Fundamental physical constants, new values (N), AO 13: 2642

## Copernicus

- See also History  
 Copernicus—not so depressing a story, JOSA 64: 1281

## Copiers

- Color electrophotographic imaging process (P), AO 13: 2960  
 Color electrostatic copying apparatus (P), AO 13: 2961  
 Color reproduction apparatus (P), AO 13: 12A26  
 Variable focal length optical system for photocopying machine (P), AO 13: 12A26

## Copper

- High current hollow cathode tube as a source of metastable atoms (E), JOSA 69: 1289  
 High-temperature emissivities of copper, aluminum, and silver (E), JOSA 67: 32  
 Ion polishing of copper: some observations (E), AO 14: 1803  
 Low-temperature emissivities of copper and aluminum (E), JOSA 67: 39  
 Observations of  $3p^53d-3p^54f$  and  $3p^53d-3p^5d4s$  transitions in iron, cobalt, nickel, and copper (ET), JOSA 66: 240  
 Optical constants from the far infrared to the x-ray region: Mg, Al, Cu, Ag, Au, Bi, C, and  $Al_2O_3$  (E) (L), JOSA 65: 742  
 Optical constants of copper and nickel (E), JOSA 67: 48  
 Optical properties of aggregated noble metal films (ET), JOSA 67: 502  
 Temperature of the Meggers-Corliss-Scribner copper arc (ET), JOSA 65: 315  
 Total hemispherical emissivities of copper, aluminum, and silver (A), JOSA 67: 251  
 Total hemispherical emissivities of copper, aluminum, and silver (E), AO 16: 2810  
 Total hemispherical emissivity of copper (TE), JOSA 68: 1516

## Copyright

- Copyright laws (N), AO 16: A160  
 Copyright owner's consent code (N), AO 17: 234  
 New copyright law (N), AO 17: A10  
 New copyright law (N), JOSA 67: 1708  
 Transfer of copyright (N), JOSA 67: 1707

## Coronagraphs

- Coronagraphic technique to infer the nature of the Skylab particulate environment (E), AO 16: 1591  
 High altitude observatory white-light coronagraph experiment of Skylab (A), JOSA 64: 523  
 Vignetting characteristics of an orbiting coronagraph (A), JOSA 64: 1358  
 White light coronagraph in OSO-7 (E), AO 14: 743

## Correlation

- See also Speckle patterns  
 Convolution and correlation of real 1-D signals by frequency-plane filtering (TE) (L), AO 18: 3885  
 Correlation and information processing using speckle (A), JOSA 66: 178  
 Correlation and information processing using speckles (T), JOSA 66: 1275  
 Cross-correlation discrimination for optical cavity modes (ET), AO 15: 206  
 Detecting periodic signals by a doubly applied autocorrelation (A), JOSA 64: 1402  
 Determination of the surface structure autocorrelation function for rough deposits of magnesium (E), OL 1: 126  
 Device for testing structures (P), AO 18: 3966  
 Dielectric and Related Molecular Processes, Volume 2. Reported by Mansel Davies (B), Reviewed by Klingbiel, R. T., JOSA 66: 398  
 Diffusion constant measurements of macromolecules in solutions containing particulate components (E), AO 14: 2129  
 Direct matched-filtering of pen recordings using sodium light (ET) (L), AO 14: 2337

- Errors in sample autocovariance functions and their corresponding power spectra (TE), JOSA 68: 568  
 Extreme-value statistics for laser speckle patterns observed through finite-size scanning apertures (T), JOSA 68: 783  
 Film-grain noise in holography (T), JOSA 69: 278  
 Homodyne electrophoretic light scattering of polystyrene spheres by laser cross-beam intensity correlation (E), AO 14: 740  
 Laser heterodyne correlation processing of optical thickness irregularities in transparencies (E), AO 17: 3402  
 Measurement of correlation length using dichromatic speckle (A), JOSA 69: 1423  
 Measurements of the photon statistics of a two-mode ring laser (A), JOSA 67: 1366  
 Measuring the size of stars: the next step? (A), JOSA 68: 1419  
 Nanosecond time-resolved spectroscopy with a pulsed tunable dye laser and single photon time correlation (E), AO 16: 1432  
 Optical character recognition based on nonredundant correlation measurements (ET), AO 18: 2746  
 Optical correlation system for industrial robot vision (A), JOSA 69: 373  
 Optical surface roughness determination using speckle correlation technique (TE), AO 14: 872  
 Photon antibunching: the anti-Hanbury Brown-Twiss effect (A), JOSA 68: 1419  
 Photon correlation spectroscopy of light scattered from microscopic regions (ET) (L), AO 18: 588  
 Photon counting processor for laser velocimetry (TE), AO 16: 1157  
 Position, rotation, and scale invariant optical correlation (ET), AO 15: 1795  
 Problem in the determination of correlation functions (T) (L), JOSA 67: 1125  
 Problem in the determination of correlation functions (errata), JOSA 68: 277  
 Problem in the determination of correlation functions. II (T) (L), JOSA 69: 634  
 Quality control of small mechanical pieces using optical correlation techniques (A), JOSA 66: 169  
 Radiant intensity from planar sources of any state of coherence (T), JOSA 68: 1597  
 Real-time intensity autocorrelation interferometer (L), AO 17: 3534  
 Real-time optical correlation (E), AO 14: 2602  
 Real-time optical correlation of 3-D scenes (E), AO 16: 149  
 Real-time optical cross correlation (A), JOSA 64: 1402  
 Real-time tracking of moving objects by optical correlation (E), AO 18: 172  
 Remote sensing of crosswind profiles using the correlation slope method (T), JOSA 69: 1604  
 Second-order correlation and radiometry (A), JOSA 67: 1366  
 Sources of correlation degradation (ET), AO 16: 1652  
 Spectral analysis and cross-correlation techniques for photon counting measurements on fluid flows (TE), AO 14: 778  
 Superresolution imaging system (P), AO 18: 4016  
 Two-time correlations in the Jaynes-Cummings model (A), JOSA 69: 1414  
 Unfolding the autocorrelation function (A), JOSA 66: 1111

## Correlators

- Aerial reconnaissance film screening using optical matched-filter image-correlator technology (ET), AO 17: 2892  
 Application of optical processing techniques to the quality control of micromechanics (E), AO 16: 1944  
 Auto-focus camera with solid state range finder (P), AO 15: 2946  
 Bipolar incoherent optical pattern recognition by carrier encoding (TE), AO 18: 660  
 Cylindrical lens as an optical correlator (A), JOSA 69: 1451  
 Dual-axis joint-Fourier-transform correlator (ET), OL 4: 121  
 Emulsion thickness and space variance: combined effects in Vander Lugt optical correlators (ET), AO 14: 1679  
 Equalizing and coherence measure correlators (ET), AO 17: 3418  
 Filter plane resolution requirements for coherent optical correlators (T) (L), AO 16: 285



Generalized model for noncoherent optical convolvers and correlators (T) (L), AO 17: 984

Holographic memory with retrieval by correlation (P), AO 15: 831

Holographic optics for a matched-filter optical processor (TE), AO 18: 631

Imaging system using an intensity triple correlator (ET), AO 17: 2047

Incoherent diffraction correlator with a holographic filter (T), AO 18: 4203

Large time-bandwidth product acoustooptic correlator and its use in a cascade design matched filter (E), AO 13: 1342

Multi-channel optical correlator system (P), AO 14: 1041

Multichannel optical correlator for radar signal processing (TE), AO 17: 2058

Optical correlation having a dye amplifier for amplifying correlating portions of signals (P), AO 15: 1669

Optical correlator (P), AO 18: A115

Optical correlator using random partial diffusers (A), JOSA 69: 1423

Optical matched filtering of incoherent images (T) (L), AO 18: 3548

Optical processing techniques in the quality control of micromechanics (E), AO 17: 911

Prismatic anamorphic system for optical correlators (P), AO 17: 2262

Quality control of small mechanical pieces using optical correlation techniques (ET), AO 15: 516

Real-time tracking of moving objects by optical correlation (E), AO 18: 172

Scene auto-correlator (P), AO 13: 220

Surface acousto-optical correlators (A), JOSA 69: 1483

Time-integrating acousto-optic correlator (A), JOSA 65: 1178

Time integrating acoustooptic correlator (E), AO 15: 89

Wavefront propagation error in an optical correlator (TE), AO 18: 791

Wide aperture optical correlator—spectrum analyzer: evaluation of a new design, AO 14: 2944

## Couplers

See also Fiber optics

Accuracy of directional coupler theory in fiber or integrated optics applications (T), JOSA 68: 1079

Accurate silicon spacer chips for an optical fiber cable connector (A), JOSA 67: 708

Analysis of optical channel waveguides and directional couplers with graded-index profile (T), JOSA 69: 807

Analytic solutions for linearly tapered directional couplers (T), JOSA 66: 882

Angle selective fiber coupler (E), AO 15: 253

Attachable plastic grating coupler for integrated optics (A), JOSA 66: 291

Beam coupling to linear waveguides using lenslike waveguides (T), AO 14: 1213

Birefringent prism couplers for thin-film optical waveguides (T), AO 17: 1030

Bragg effect waveguide coupler analysis (A), JOSA 67: 1392

Bragg effect waveguide coupler analysis (T), AO 16: 3230

Characteristics of Ti-diffused lithium niobate optical directional couplers (ET), AO 18: 4012

Composite prism—grating coupler for coupling light into high refractive index thin-film waveguides (E) (L), AO 15: 1681

Compound optical crosspoint with low crosstalk (E), AO 16: 3223

Concentrated-type directional coupler for optical fibers (E) (L), AO 15: 2032

Continuous fiber optical transmit and receive terminal (P), AO 15: 1888

Corrugated grating coupled devices and coupling coefficients (A), JOSA 66: 291

Coupage encerclant (ET) (L), AO 18: 604

Coupled power theorem and orthogonality relations for optical disk waveguides (T), JOSA 67: 1634

Coupler for optical communication system (P), AO 18: 3892

Coupler for semiconductor lasers (P), AO 17: 1468

Coupling between two cylindrical light pipes: a design (T), AO 15: 2844

Coupling efficiency between light pipes of different dimensions (T), AO 15: 2840

Coupling from a thin film to an optical fiber (E) (L), AO 17: 2483

Coupling of fibers to Ti-diffused LiNbO<sub>3</sub> waveguides by butt-joining (E), AO 18: 2037

Coupling to film waveguides with reusable plastic gratings (E) (L), AO 15: 289

Coupling to graded index waveguide (P), AO 15: 1888

Design and fabrication of a blazed replica grating coupler for optical waveguides (E), OL 1: 67

Design and fabrication of grating couplers for integrated-optics devices (A), JOSA 64: 1364

Determination of ray directions coupled out of waveguides through prisms and gratings (T), AO 18: 1092

Directional couplers for integrated optics (A), JOSA 66: 289

Distributed coupling between a single-mode fiber and a planar waveguide (A), JOSA 66: 291

Double eccentric connectors for optical fibers (E), AO 16: 1323

Effects of a thin overlying film on optical waveguides and couplers (TE), JOSA 66: 226

Effects of imperfections on the efficiency of optical couplers (A), JOSA 66: 292

Efficiency limitations imposed by thermodynamics on optical coupling in fiber-optic data links (T), JOSA 65: 1479

Efficient coupling of incoherent light into optical fibers and bundles (T), AO 17: 2416

End fire coupling between optical fibers and diffused channel waveguides (A), JOSA 67: 1393

Evanescent wave coupling in fiber optic connectors: an observation (E) (L), AO 18: 1292

Externally mounted fibers for integrated optics (A), JOSA 64: 1366

Externally mounted fibers for integrated optics interconnections, AO 14: 1860

Fabrication of an access coupler with single-strand multimode fiber waveguides (E) (L), AO 15: 2629

Fabrication of optical waveguide taper couplers utilizing SiO<sub>2</sub> (E), AO 18: 506

Fabrication of thin periodic structures in photoresist: a model (E), AO 15: 1071

Fiberglass to metal hermetic seal (E) (L), AO 17: 2271

Fiber optic coupler with concave spherical reflecting elements (P), AO 18: 3713

Fiber optic data distribution systems utilizing variable tap ratio optical couplers (ET) (L), AO 16: 2355

Full duplex optical link using single-strand multimode fiber (A), JOSA 67: 1372

Fusion splices for single-mode optical fibers (A), JOSA 67: 709

General integral theory for dielectric coated gratings (T), JOSA 68: 490

Gradient index miniature coupling lens (P), AO 17: 1473

Grating coupled radiation in lasers and waveguides (A), JOSA 66: 1115

Grating coupling between low-index fibers and high-index film waveguides (A), JOSA 66: 292

Gratings as distributed reflectors and couplers (A), JOSA 68: 1364

High efficiency input-output prism waveguide coupler: an analysis (ET), AO 18: 2924

High efficient blazed grating couplers (A), JOSA 66: 292

Highly efficient light coupling from GaAlAs lasers into optical fibers (E), AO 15: 2432

Holographic fiber to waveguide coupler (P), AO 15: 1359

Hybrid laser-to-fiber coupler with a cylindrical lens (E), AO 16: 1966

Hyperbolic type optical fiber lens coupler for coupling the fiber to an optical line source (P), AO 15: 1346

Improvement of the coupling efficiency between LEDs and optical fibers (T), AO 18: 2062

Injection molded splice connector with silicon chip insert for joining optical fiber ribbons (A), JOSA 67: 708

Integrated optic star coupler (A), JOSA 67: 1393

Large bandwidth optical communications systems utilizing an incoherent optical source (P), AO 18: 261

Lightwave fiber tap (E), AO 17: 2215

Liquid-crystal fiber-optic switch (E), OL 4: 155

Low-loss access coupler for multimode optical fiber distribution networks (E) (L), AO 16: 1794

Low-loss signal coupler for optical communications and integrated optics (P), AO 18: 261

Method for measuring parallel waveguide directional coupler parameters (A), JOSA 66: 289

Microlenses to improve LED-to-fiber optical coupling and alignment tolerance (ET), AO 18: 3694

Mixer for optical waveguide bundle (P), AO 15: 1346

Mode conversion in a thin film waveguide by a two-stage coupling process (E) (L), AO 18: 145

Mode coupling by circular apertures (T), AO 15: 2800

Mode coupling coefficient measurements in optical fibers (E), AO 17: 3979

Mode coupling in a multimode optical fiber with microbends (ET), AO 14: 2400

Mode selective filtering by a coupling mechanism between glass fiber and thin-film slab waveguide (E) (L), AO 13: 2757

Mode transducer for optical waveguides (P), AO 17: 1470

Modular optics mode converter (E) (L), AO 15: 2307

Multimode fiber coupler (ET), AO 17: 2077

Multimode fiber coupler—theory and experiment (A), JOSA 67: 708

Multimode fiber-optics coupler with low insertion loss (ET), AO 17: 3248

Multimode optical multiplexing with low-voltage drivers (ET), OL 3: 136

Nonlinear holographic waveguide coupler (E), AO 15: 1800

Optical access couplers and a comparison of multiterminal fiber communication systems (TE), AO 15: 244

Optical coupler (P), AO 18: 747

Optical coupler (P), AO 18: 749

Optical coupler for transmitting light linearly between a single point and plural points (P), AO 18: 3718

Optical couplers for fiber optic communication links (P), AO 17: 1473

Optical directional coupler (A), JOSA 67: 708

Optical directional couplers with variable spacing (T), AO 17: 769

Optical-fiber directional coupler (A), JOSA 66: 391

Optical fiber taper couplers: diameter and slope measurements (A), JOSA 67: 1372

Optical fiber wave splitting coupler (E) (L), AO 15: 2031

Optically coupling tunable diode lasers (N), AO 18: 4061

Optical modal evolution 3-dB coupler (ET), AO 15: 1053

Optimization of prism coupling efficiency for surface electromagnetic wave excitation in the infrared (E), AO 16: 1549

Optimized layout for a data bus system based on a new planar access coupler (TE), AO 16: 3140

Parallel end-butt coupling of a GaAs laser diode and a thin-film waveguide (A), JOSA 66: 292

Planar optical coupler for a data bus system with single multimode fibers (ET), AO 16: 2195

Precision transfer molded single-fiber optical connector (A), JOSA 67: 708

Prism offset for optical waveguide coupling (T) (L), AO 15: 1375

Radiation loss calculations for corrugated dielectric waveguides (T), JOSA 68: 1701

Ray trajectories in optical fiber tapered sections (T), AO 17: 3670

Representation of codirectional coupled waves (T), OL 1: 109

Resonant tunneling of light in optical waveguides (E) (L), JOSA 66: 972

Rib waveguide switches with MOS electrooptic control for monolithic integrated optics in GaAs-Al<sub>x</sub>Ga<sub>1-x</sub>As (E), AO 17: 2548

Self-aligning optical waveguide connector (P), AO 15: 1888

Semiconductor laser to integrated optics coupling using transition waveguides (A), JOSA 66: 289

Semiconductor laser to single-mode fiber coupler (E), AO 18: 1847

Simple interconnections in thin-film guided-wave optics (E) (L), AO 16: 816

Single-mode fiber-optical power divider: encapsulated etching technique (E), OL 4: 29



- Single mode optical fiber pickoff coupler (E) (L), AO 15: 2310
- Single-mode optical-waveguide fiber coupler (E), AO 17: 2092
- Splice losses in step-index fibers: dependency on fiber-break angle (E), AO 16: 2372
- Splice losses in step-index fibers: dependency on fiber-break angle (errata), AO 16: 2774
- Star repeaters for fiber optic links (E), AO 16: 501
- Stripe waveguides and coupling modulators of lithium niobate-tantalate (A), JOSA 66: 289
- Surface electromagnetic wave coupling efficiencies for several excitation techniques (E), AO 15: 3066
- Surface electromagnetic wave coupling efficiency dependence on prism gap height (E) (L), AO 16: 3077
- Switched directional coupler with stepped  $\Delta\beta$  reversal (A), JOSA 66: 289
- Symmetrical prism as input coupler for integrated optics (E) (L), AO 17: 3191
- Tapered gap prism couplers for high index materials (E) (L), AO 16: 1795
- Theoretical and experimental study of the effect of loss on grating coupler performance (A), JOSA 66: 1115
- Thin-film beam splitter for integrated optics (TE), JOSA 67: 533
- Thin grating couplers for integrated optics: an experimental and theoretical study (ET), AO 14: 2983
- Two-dimensional silicon grooves for altitudinal alignment in fiber end-butt coupling (E), OL 3: 73
- Unidirectional star coupler for single-fiber distribution systems (E), OL 1: 124
- Waveguiding properties of (Se,S)-based chalcogenide glass films and some applications to optical waveguide devices (E), AO 18: 393
- Wavelength dependence of GaAs directional couplers and electrooptic switches (ET), AO 17: 2250
- Wedge reflector for fiber optic bundle (P), AO 15: 1888

## Courses, clinics, institutes, summer schools, workshops

See Meeting and short course announcements in annual volume indexes

## Crystals

- Absorption and vacuum photolysis of silver halides (TE), JOSA 67: 830
- Anomalous scattering, intercongress conference on, Madrid, 22-26 Apr 1974 (M), Reported by Cowley, John M., AO 13: 1735
- Apparatus for x-ray crystallography (P), AO 15: 584
- Application of generalized ellipsometry to anisotropic crystals (T), JOSA 64: 128
- Application of generalized ellipsometry to anisotropic crystals (T) (L), JOSA 65: 461
- Application of generalized ellipsometry to anisotropic crystals (T) (L), JOSA 65: 462
- Bistable optical switch utilizing lead phosphate or lead strontium phosphate crystals (P), AO 15: 8
- Carbon dioxide laser saturation of internal-vibrational modes of molecular impurities in alkali halides (E), OL 3: 112
- Cerenkov radiation in anisotropic crystals (A), JOSA 65: 1166
- Classical oscillator analysis on thin crystals of  $\text{Bi}_2\text{Te}_7\text{S}_5$  (T), JOSA 66: 996
- Coatings for crystals (A), JOSA 66: 383
- Compilation of crystal growers and crystal-growth projects (N), JOSA 64: 409
- Critical Evaluation of Chemical and Physical Structural Information. Edited by David R. Lide, Jr., and Martin A. Paul (B), Reviewed by Falconer, Warren E., AO 15: 562
- Crystal Physics: Macroscopic Physics of Anisotropic Solids. By Hellmut J. Juretschke (B), Reviewed by Vedam, K., JOSA 65: 1526
- Crystals for recording phase holograms (P), AO 16: 12
- Crystal Technology. By W. L. Bond (B), Reviewed by Claus, Albert C., AO 15: 2602
- Crystal Technology. By W. L. Bond (B), Reviewed by Bonner, W. A., JOSA 67: 129
- Depolarization of white light by a birefringent crystal (T), JOSA 65: 248
- Diamond as a high-power-laser window (E), JOSA 64: 36
- Diffraction properties of hydrogen-phthalate-crystals in the 0.1-2-nm region (E), AO 16: 578
- Dynamical Scattering of X-Rays in Crystals. By Z. G. Pinsker (B), Reviewed by Brunel, L.-C., AO 17: 3854
- Dynamics of Perfect Crystals. By G. Venkataraman, L. A. Feldkamp, and V. C. Sahni (B), Reviewed by Franklin, Alan D., AO 15: 844
- Dynamics of Perfect Crystals. By G. Venkataraman, L. A. Feldkamp, and V. C. Sahni (B), Reviewed by Brody, Edward M., JOSA 66: 80
- Effects of temperature and pressure on the rotatory dispersion of  $\text{Bi}_{12}\text{GeO}_{20}$  (ET), JOSA 65: 446
- Electronics division symposia, 147th Electrochemical Society Meeting, Toronto, 11-16 May 1975 (M), Reported by McAllister, W. A., AO 14: 2322
- Electronic Structure of Polymers and Molecular Crystals. Edited by J. M. Andre and J. Ladik (B), Reviewed by Howard, John N., AO 16: A26
- Ellipsometry of a biaxial surface (TE), JOSA 65: 542
- Extraordinary-ray and -wave tracing in uniaxial crystals (T), AO 14: 2298
- Frequency and temperature dependence of residual lattice absorption in semiconducting crystals (A), JOSA 67: 253
- Frequency doubling element for lasers (P), AO 14: 1747
- General solution for the electro-optic effect (T), JOSA 65: 1144
- Handbuch der Physik, Vol. XXV/2b. Edited by S. Fluegge (B), JOSA 65: 615
- High-path-difference optical compensator: its use in the observation of solid-solid phase transformations (E), AO 14: 1664
- Imaging through a surface of an anisotropic medium with application to light scattering (T), JOSA 66: 694
- Index of refraction of some rare-earth halides at 6328 (E) (L), JOSA 65: 357
- Infrared bulk and surface absorption by nearly transparent crystals (ET), AO 15: 2075
- Interferometric study of a solid-solid phase transition (E), AO 16: 3206
- Internal thermal noise in optical frequency converters (TE), JOSA 64: 295
- Lanthanum titanate single crystal electro-optic modulator (P), AO 15: 584
- Laser-induced damage in electro-optical crystals (A), JOSA 67: 1443
- Laser studies of internal conical diffraction. I. Quantitative comparison of experimental and theoretical conical intensity distribution in aragonite (TE), JOSA 68: 1093
- Laser studies of internal conical diffraction. II. Intensity patterns in an optically active crystal,  $\alpha$ -iodic acid (TE), JOSA 68: 1098
- Light Scattering by Phonon-Polaritons. By R. Claus, L. Merten, and J. Brandmuller (B), Reviewed by Mills, D. L., AO 15: 1667
- Magneto-optical properties of  $^7\text{F}_0$  yields  $^5D_{\pm 1}$  transitions in  $\text{CaF}_2:\text{Sm}^{2+}$  (ET) (L), JOSA 65: 95
- Method of x-ray diffraction topography of monocrystals and apparatus (P), AO 14: 1044
- Movie on the melt-phase epitaxial growth of  $\text{LiNbO}_3$  on  $\text{LiTaO}_3$  substrate (A), JOSA 66: 290
- Multiple internal reflections within birefringent crystals (A), JOSA 68: 1405
- Optical constants of bismuth tellurium sulfide from ellipsometric data (E), JOSA 64: 1591
- Optical Crystallography: 5th Edition. By E. E. Wahlstrom (B), Reviewed by Meyer-Arendt, Jurgen R., AO 18: 4144
- Optical images of atoms in a crystal (N), AO 16: 1403
- Optical properties of  $\text{SrTiO}_3$  at high temperatures (E), JOSA 68: 610
- Optical simulation of electron diffraction of thin crystals (ET), JOSA 64: 1309
- Optics of bianisotropic media (T), JOSA 64: 1304
- Optimum crystal orientation for acoustically tuned optical filters (TE), JOSA 64: 434
- Orientation of crystals by extinction between crossed linear polarizers (ET) (L), AO 14: 809
- Pancharatnam, S., Collected Works of (B), Reviewed by Howard, John N., AO 16: A12

- Performing optical measurements in solids under variable uniaxial stress and temperature: a system (E), AO 13: 1971
- Piezo- and thermo-optical properties of  $\text{Bi}_{12}\text{GeO}_{20}$ . I. Optical rotatory dispersion (ET), JOSA 65: 436
- Piezo- and thermo-optical properties of  $\text{Bi}_{12}\text{GeO}_{20}$ . II. Refractive index (E), JOSA 65: 442
- Piezo- and thermo-optical properties of  $\text{Bi}_{12}\text{GeO}_{20}$ . III. The dispersion theories and models (T), JOSA 69: 352
- Point Defects in Crystals. By R. K. Watts (B), Reviewed by Schnur, Joel M., AO 16: 1775
- Point Defects in Crystals. By R. K. Watts (B), Reviewed by Dexter, David L., JOSA 68: 425
- Polarization properties of volume holograms in  $\text{Bi}_{12}\text{SiO}_{20}$  crystals and applications (ET) (L), AO 17: 1851
- Polishing KDP and other soft water-soluble crystals (E) (L), AO 18: 1125
- Pressure and stress dependence of the refractive index of transparent crystals (T), AO 13: 2382
- Pseudo-Brewster angles of surfaces of transparent and absorbing uniaxial crystals (A), JOSA 69: 1474
- Pulsed holographic recording in ferroelectric crystals (A), JOSA 64: 1394
- Radiation of electromagnetic fields in biaxially anisotropic media (T), JOSA 68: 502
- Radiative Recombination in Semiconducting Crystals, Volume 68. Edited by D. V. Skobel'syn; translated from the Russian by Albin Tybulewicz (B), Reviewed by Kelley, Paul L., JOSA 67: 852
- Ray model of energy and power flow in anisotropic film waveguides (T), JOSA 64: 1313
- Ray-tracing the convex curved crystal x-ray spectrograph (TE), AO 18: 374
- Real-time double-exposure interferometry with  $\text{Bi}_{12}\text{SiO}_{20}$  crystals in transverse electrooptic configuration (E) (L), AO 16: 1807
- Reflection and refraction of an arbitrary wave at a planar interface separating two uniaxial crystals (A), JOSA 64: 527
- Reflection and refraction of an arbitrary wave at a plane interface separating two uniaxial crystals (T), JOSA 67: 683
- Reflection ellipsometry applied to uniaxial crystals (A), JOSA 67: 1443
- Refractive-index profile and physical process determination in thick gratings in electrooptic crystals (TE), AO 15: 1947
- Relation between phase and group indices in anisotropic inhomogeneous guiding media (L), JOSA 67: 1281
- Relation between piezo-optical and thermo-optical properties of crystals (T), JOSA 64: 944
- Residual absorption in infrared materials (R), AO 16: 2882
- Residual lattice absorption in semiconducting crystals: frequency and temperature dependence (ET), AO 16: 2909
- Role of relaxation in the resonant interaction of light pulses with matter (T), AO 17: 3815
- Scattering of Light by Crystals. By W. Hayes and R. Loudon (B), Reviewed by Nelson, D. F., AO 18: 1472
- Second- and fourth-order nonlinear processes in chalcopyrites (A), JOSA 67: 255
- Simultaneous measurement of linear and circular birefringence in crystals (A), JOSA 65: 1168
- Sound-induced anomalous transmission of light through semiconducting crystals below the plasma edge (T), JOSA 68: 42
- Spatial-diffusion measurements in impurity-doped solids by degenerate four-wave mixing (E), OL 4: 124
- Spectroscopy of Laser Crystals with Ionic Structure: Vol. 60 of Proceedings of Lebedev Physics Institute. Edited by D. V. Skobel'syn (B), Reviewed by Forman, Richard A., AO 14: 2351
- Stress distribution measurement in oscillating quartz crystals by means of a laser probe beam (A), JOSA 66: 385
- Symmetry and Energy Bands in Crystals. By John C. Slater (B), Reviewed by Claus, Albert C., JOSA 64: 254
- Temperature and pressure variation of the refractive index of diamond (E), AO 16: 2949
- Temperature-dependent Sellmeier coefficients and coherence lengths for some chalcopyrite crystals (T), JOSA 69: 730



- Temperature variation of refractive index in GaSe, AO 18: 3847
- Theoretical model for the linear electro-optical effect of crystals (A), JOSA 69: 1476
- Theory of the scattering-phase-matrix determination for ice crystals (T), JOSA 65: 159
- Time evolution and refractive-index profiles of phase holograms in electro-optical crystals (A), JOSA 66: 1084
- Transformation of Fresnel's interface reflection and transmission coefficients between normal and oblique incidence (T), JOSA 69: 590
- Uniaxial and biaxial anisotropy in thin-film optical waveguides (T), JOSA 64: 27
- Vibration Spectra and Symmetry of Crystals. By H. Poulet and J. P. Mathieu (B), Reviewed by Burns, G., AO 17: 498
- Visual Fourier-transform spectroscopy with a single crystal plate (ET), JOSA 65: 817
- Wavelength temperature and angle bandwidths in SHG of focused beams in nonlinear crystals (ET), AO 18: 733

## Crystals, liquid

- Advances in Liquid Crystals, Volume I. Edited by Glenn H. Brown (B), Reviewed by Adams, James E., JOSA 66: 869
- Advances in Liquid Crystals, Volume 2. Edited by Glenn H. Brown (B), Reviewed by Adams, James E., JOSA 67: 1288
- Applications of Liquid Crystals. By G. Meier, E. Sackman and J. G. Grabmaier (B), Reviewed by Schnur, Joel M., AO 16: 268
- Controllable liquid-crystal display device (P), AO 16: 2789
- Cylindrically aligned liquid crystals: an interferometric analysis (E), AO 18: 1455
- Display cell (P), AO 14: 1747
- Doped display device (P), AO 18: A206
- Doped liquid crystal display device (P), AO 17: 1476
- Dye laser emission in liquid crystal hosts (E), AO 18: 528
- Electro-optical cell (P), AO 17: 1469
- Electrooptical display device using a liquid crystal cell (P), AO 18: 3220
- Electrooptical symbol emitting and recognition device (P), AO 16: 3246
- Electrooptic device (P), AO 16: 2789
- Electro-optic device for improving reading ability (P), AO 13: 1727
- Electrooptic display system (P), AO 16: 2027
- Far-field coherence and radiant intensity of light scattered from liquid crystals (T), JOSA 68: 329
- Ferroelectric liquid crystal display (P), AO 17: 1475
- Four applications of the liquid crystal light valve in optical processing (A), JOSA 68: 1377
- Generation of an arbitrary color in a nematic liquid crystal display (TE), AO 18: 3139
- Image intensifiers (P), AO 13: 2440
- Imaging system (P), AO 14: 1746
- Improved liquid crystal device response time (E) (L), AO 18: 1700
- Information storage and read-out system (P), AO 14: 1747
- Irradiance statistics of light scattered by electrohydrodynamic fluctuations in MBBA (E), JOSA 64: 776
- Kinematic and dynamic light scattering from the periodic structure of a chiral smectic C liquid crystal (TE), JOSA 68: 1217
- Light scattered by a liquid crystal: a new quasi-thermal source (E), AO 13: 181
- Liquid crystal artwork generator (A), JOSA 66: 381
- Liquid crystal bibliography (N), JOSA 64: 575
- Liquid crystal cells (P), AO 15: 1346
- Liquid crystal conference, 5th international, Stockholm, 16-21 Jun 1974 (M), Reported by Haas, Werner E. L., AO 13: 2452
- Liquid crystal devices (P), AO 15: 2609
- Liquid crystal devices and systems for ultrasonic imaging (P), AO 13: 3A26
- Liquid Crystal Devices. Edited by Thomas Kallard (B), Reviewed by Connors, Gary H., JOSA 64: 734
- Liquid crystal diffraction grating (P), AO 14: 1757
- Liquid crystal display (P), AO 16: 2788
- Liquid crystal display (P), AO 16: 2789
- Liquid crystal display assembly (P), AO 15: 2608
- Liquid crystal display assembly (P), AO 16: 2789
- Liquid crystal display containing segmented source of backlighting (P), AO 15: 1360
- Liquid crystal display device (P), AO 15: 585
- Liquid crystal display device (P), AO 16: 2788
- Liquid crystal display device (P), AO 17: 1472
- Liquid crystal display device (P), AO 17: 1475
- Liquid crystal display devices (P), AO 15: 585
- Liquid crystal display devices (P), AO 15: 1346
- Liquid crystal display devices (P), AO 15: 2609
- Liquid crystal display device with enhanced contrast (P), AO 17: 1471
- Liquid crystal display element (P), AO 13: 2A26
- Liquid-crystal display with polarizer (P), AO 17: 1476
- Liquid crystal electrooptical device (P), AO 16: 2788
- Liquid-crystal fiber-optic switch (E), OL 4: 155
- Liquid crystal image converter system responsive to ionizing radiation (P), AO 15: 2608
- Liquid crystal imaging of radiograms (P), AO 15: 2609
- Liquid crystal imaging system (P), AO 13: 2A26
- Liquid crystal imaging system (P), AO 16: 2788
- Liquid crystal improved technique for thermal field measurements (E), AO 18: 3048
- Liquid crystal light deflector (P), AO 18: 1286
- Liquid crystalline image converter (P), AO 15: 2609
- Liquid crystalline optical filter (P), AO 15: 2609
- Liquid crystal optical cell with selected energy scattering (P), AO 13: 2438
- Liquid Crystals and Plastic Crystals. Volume 1: Preparation, Constitution, and Applications; Volume 2: Physicochemical Properties and Methods of Investigation. Edited by G. W. Gray and P. A. Winsor (B), Reviewed by Schnur, Joel M., AO 14: 2801
- Liquid crystals, sixth international conference, Kent State University, 23-27 Aug 1976 (M), Reported by Haas, Werner E. L., AO 16: 2
- Liquid crystal stereoscopic television system (P), AO 14: 1041
- Liquid crystal switch for optical waveguide (P), AO 17: 1470
- Liquid crystal waveguide (P), AO 16: 2789
- Liquid crystal wedge compensator for display thickness measurement (ET) (L), AO 14: 2339
- Losses of a nematic liquid-crystal optical waveguide (TE), JOSA 64: 1424
- Matrix transform optical calculus for generalized linear dielectric media (T), AO 14: 1406
- Nematic liquid crystal 1024 bits page composer (TE), AO 13: 1355
- Nematic liquid crystal digital light deflector (ET), AO 13: 1802
- Nonlinear optical birefringence gratings in nematic liquid crystals at Fredericksz transitions (A), JOSA 68: 1624
- Novel liquid crystal electro-optics devices (P), AO 13: 9A26
- Numerical solution for the evolution of the ellipse of polarization in inhomogeneous anisotropic media (T) (L), JOSA 64: 731
- Off-state transmission of a twisted nematic liquid-crystal layer. Some comments (T) (L), JOSA 69: 913
- Optical data processing system with reflective liquid crystal light valve (P), AO 17: 1473
- Optical notch filter (P), AO 15: 2296
- Optical properties of a liquid-crystal image transducer at normal incidence. I. Mathematical analysis and application to the off-state (A), JOSA 69: 1484
- Optical properties of a liquid-crystal image transducer at normal incidence. II. The on-state (A), JOSA 69: 1484
- Optical properties of the distorted cholesteric structure (T), JOSA 64: 1178
- Optical sensitization and development of liquid crystalline devices (P), AO 16: 2788
- Orientation control of dye molecules in a liquid crystal (E), AO 17: 2366
- Phase response of a liquid crystal image transducer (A), JOSA 67: 1445
- Phase response of a liquid crystal image transducer (E) (L), AO 17: 3696
- Photoactivated twisted nematic device (E) (L), AO 13: 1752
- Poincare sphere analysis of liquid crystal optics (TE), AO 16: 2090
- Precise stable settings of Hughes liquid-crystal light valve (A), JOSA 69: 1484
- Response time of a liquid crystal image transducer (A), JOSA 67: 1445
- Response time of a liquid crystal image (errata), AO 17: 2672
- Response time of a liquid crystal image transducer (E) (L), AO 17: 1987

- Spatial coherence of light scattered by media with large correlation length of refractive index fluctuations (E), AO 15: 1842
- Spatial coherence properties of light scattered by disclinations in a liquid crystal (TE), AO 15: 2468
- Subtraction of images with incoherent illumination in real time (ET) (L), AO 16: 3086
- Temporal measurements in the spatial frequency spectrum of liquid crystal image transducers (E), AO 18: 1895
- Theory of light reflection by cholesteric liquid crystals possessing a pitch gradient (T), JOSA 69: 1017
- Theory of light reflection by cholesteric liquid crystals possessing a tilted structure (T), JOSA 69: 1509
- Thermal emissivity of semitransparent and opaque films of cholesteric liquid crystal (E), AO 17: 3051
- Transmission characteristics of a twisted nematic liquid-crystal layer (T), JOSA 66: 1003
- Transmission of light through a twisted nematic liquid-crystal layer (T) (L), JOSA 68: 869
- Transmission of polarized light as a function of sample thickness for cholesteric liquid-crystal films (E) (L), JOSA 64: 250

## Curium

- Correlation of isotope shifts with  $\psi(0)^2$  for actinide configurations (T), JOSA 67: 1314
- Energy levels of the first spectrum of curium, Cm 1 (ET), JOSA 66: 109

## Cyclotron resonance

- Line shape cyclotron resonance in *n*-type germanium at 337  $\mu$ m in the temperature range 15-80 K (E), JOSA 67: 935
- Semiconductor cyclotron resonance: transport and surface phenomena (E), JOSA 67: 922
- Submillimeter cyclotron resonance of electrons in accumulation layers on indium antimonide surfaces (E), JOSA 67: 928

## Damage

- See also Laser damage
- Improved damage thresholds for metal mirrors (E) (L), AO 13: 1286
- Laser-induced damage in optical materials, symposium, Boulder, 22-23 May 1974 (N), JOSA 64: 419
- Partial performance degradation of a remote sensor in a space environment, and some probable causes (ET), AO 13: 1230
- Temporal development of optically etched gratings: a new method of investigating laser-induced damage (E), AO 13: 1399

## Data processing

- See also Information processing, Optical processing, Signal processing
- Aberration-free optical recording of highly resolved sonar or radar maps (P), AO 17: 1475
- Aerial reconnaissance film screening using optical matched-filter image-correlator technology (ET), AO 17: 2892
- Alignment of microcircuit chips using optically smeared images (E), AO 18: 331
- Ambiguity function display: an improved coherent processor (TE), AO 16: 746
- Ambiguity function display: an improved coherent processor; addendum (TE) (L), AO 16: 1777
- Analytical description of a Fabry-Perot spectrometer. 4: Signal noise limitations in data retrieval; winds, temperature, and emission rate (T), AO 17: 2967
- Application of a microcomputer to optical spectroscopy (A), JOSA 67: 1420
- Application of Holography and Optical Data Processing. Edited by E. Marom, A. A. Friesem, and E. Wiener-Avnear (B), Reviewed by Farmer, W. Michael, AO 17: 2862
- Application of the vector theory to VideoDisc optical readout and inspection (A), JOSA 68: 1406
- Applications of holography and optical data processing, ICO conference, Jerusalem, 23-26 Aug 1976 (M), Reported by Lohmann, A. W., AO 16: 2



- Augmented laser scan equations (T) (L), AO 17: 1161
- Bandlimiting effects in an optical Laplace transform computer (ET), AO 14: 2207
- Bipolar pointspread function synthesis by phase switching (T) (L), AO 16: 265
- Boundary layer effects in optical measurements in gas dynamics (T), AO 15: 1591
- Classification of the T-E curve (TE), AO 17: 2450
- Coherent optical implementation of 1-D Mellin transforms (TE) (L), AO 16: 2609
- Compact optical data processor employing holographic reflective lenses (ET), AO 16: 445
- Convolutions in real time (P), AO 15: 582
- Cylindrical lens systems described by operator algebra (TE), AO 18: 4195
- Data-reducing apparatus for holographic flow interferograms (A), JOSA 66: 382
- Deconvolution of IR spectra in real time (TE) (L), AO 16: 286
- Deformation invariant optical processors using coordinate transformations (T), AO 16: 2288
- Determining optimal matched filter parameters (E) (L), AO 15: 1690
- Diffuse and specular reflections of infrared radiation from a sample to classify that sample (P), AO 13: 976
- Digital Image Processing. By W. K. Pratt (B), Reviewed by Hunt, B. R., AO 17: 3509
- Direct matched-filtering of pen recordings using sodium light (ET) (L), AO 14: 2337
- Electronic organization of data from an absorption spectrometer (P), AO 14: A77
- Electrooptic light deflection (P), AO 18: 3757
- Equidensitometry by coherent optical filtering (E), AO 15: 2394
- Fabry-Perot inversion algorithm (T), AO 18: 1988
- Generalized sampling theorem with application to computer-generated transparencies (T), JOSA 67: 1666
- General theory of linear, coherent optical data-processing systems (E), JOSA 67: 60
- Grounding and shielding in electromechanical instrumentation—technical note (N), AO 17: 3998
- Halftone screen design methods for nonlinear optical processing (TE), AO 18: 2792
- Halftone screen techniques for photographic film response shaping with application to optical processing of medical x-ray images (TE), AO 18: 2294
- High concurrency data bus using arrays of optical emitters and detectors (TE), AO 18: 1687
- High resolution luminescence spectrometer. 2: Data treatment and corrected spectra (E), AO 13: 2899
- Holographic correlation method for processing multispectral-scanner data (A), JOSA 64: 550
- Holographic memories in the gigabyte region (TE), AO 13: 803
- Holographic representation of space-variant systems: system theory (T), AO 15: 2241
- Hybrid optical-digital radiography-based system for lung disease detection (E), AO 16: 2637
- Image data-processing system for solar astronomy (R), AO 16: 944
- Image processing system using incoherent image feedback (ET), AO 17: 717
- Image reconstruction using polar sampling theorems (ET) (L), AO 18: 2086
- Image reproduction with interactive graphics (E), AO 13: 2061
- Image storage display and processing in photosensitive electro-optic crystals— $\text{LiNbO}_3:\text{Fe}$  (A), JOSA 66: 389
- Incoherent optical processing using spatially offset pupil masks (ET), AO 17: 2454
- Increasing the holographic matched filter information capacity (T), AO 16: 3027
- Information scanning technology: applications of cw AlGaAs injection lasers (E), AO 15: 1425
- Iterative color-multiplexed, electro-optical processor (TE), OL 4: 348
- Laser read-out systems for optical video disks (A), JOSA 68: 1428
- Lensless matched filter: operating principle, sensitivity to spectrum shift, and third-order holographic aberrations (TE), AO 15: 2830
- Linear space-variant optical processing of 1-D signals (TE), AO 16: 733
- Mach-Zehnder data reduction method for refractively inhomogeneously test objects: comments (T) (L), AO 14: 2336
- Mach-Zehnder data reduction method for refractively inhomogeneous test objects: reply to comments (T) (L), AO 14: 2336
- Matrix multiplication (P), AO 16: 3246
- Measurement of the rotation of a disk from its elliptical projection, with an application to eye movements (T), JOSA 67: 1336
- Measuring the refractive error of an eye (P), AO 16: 11
- Multimode optic device (P), AO 18: 3347
- Multiple-invariant space-variant optical processors (TE), AO 17: 655
- New and direct optical analog-to-digital conversion method (TE), OL 3: 244
- New trends in the application of Fourier transform infrared spectroscopy to analytical chemistry (ET), AO 17: 1400
- Nonlinear filtering in coherent optical systems through halftone screen processes (ET), AO 14: 1813
- Nonlinearly recorded matched filter: a technique to reduce the false alarm rate (T), AO 16: 1166
- Nonlinear optical processing: analysis and synthesis (TE), AO 16: 1009
- Novel hybrid optical correlator (errata), AO 14: 1259
- Novel hybrid optical correlator: theory and optical simulation (TE), AO 14: 369
- Numerical optical data processor (A), JOSA 67: 1383
- Optical addressing system (P), AO 13: 9A26
- Optical computation using residue arithmetic (T), AO 18: 149
- Optical computing and investigations on writing (ET), AO 15: 523
- Optical Data Processing. Edited by D. Casasent (B), Reviewed by Rogers, Gordon L., AO 17: 3510
- Optical Data Processing. Edited by D. Casasent (B), Reviewed by Cathey, W. Thomas, JOSA 69: 206
- Optical data processing system with reflective liquid crystal light valve (P), AO 17: 1473
- Optical image plane correlator for ambiguity surface computation (TE), AO 18: 1673
- Optical interpolation with application to array processing (TE), AO 14: 363
- Optical processing: a near real-time coherent system using two Itek PROM devices (TE), AO 15: 1418
- Optical processing of pulsed Doppler and FM stepped radar signals (ET), AO 14: 1364
- Optical simulation of a technique for obtaining submicron resolution x-ray images in laser pellet compression experiments (ET) (L), AO 17: 1
- Optical storage of digital data, topical meeting (R), AO 13: 747
- Optical transfer function synthesis: a geometrical optics approach (TE), AO 18: 2760
- Parallel matched filtering: minimization of the volume effect (T) (L), AO 15: 2632
- Passive remote sensing techniques for mapping water depth and bottom features (TE), AO 17: 379
- Performing complex-valued linear operations on complex-valued data using incoherent light (T) (L), AO 16: 2611
- Phase determination of an amplitude modulated complex wavefront (TE), AO 17: 1136
- Phase estimates from slope-type wave-front sensors (T) (L), JOSA 68: 139
- Photo-DKDP light valve in optical data processing (E), AO 18: 3307
- Piezoelectric scanning of Fabry-Perot spectrometers: nonlinearities (TE), AO 17: 3088
- Polar camera for space-variant pattern recognition (ET), AO 17: 1559
- Practical improvements of writing and reading algorithm in computer-generated polarization holography (TE), AO 17: 922
- Pupil function replication in OTF synthesis (TE), AO 18: 44
- Real-time optical subtraction of photographic imagery for difference detection (ET), AO 15: 871
- Real time Walsh-Hadamard transformation of two-dimensional discrete pictures (P), AO 15: 1887
- Recognition of objects observed from the air by comparing spectral reflections against a preinterpreted spectral signature (P), AO 14: A78
- Restored impulse response of finite-range image deblurring filter (ET) (L), AO 14: 1059
- Role of optical memories in computer storage (R), AO 13: 755
- Scene power spectra: the movement as an image quality merit factor (ET), AO 15: 2846
- Signal-detection tradeoff-analysis of optical vs digital Fourier transform computers (T), AO 18: 36
- Silicon vidicon system for measuring laser intensity profiles (E), AO 17: 3938
- Single wall domain matrix for optical data processing system (P), AO 17: 1475
- Space and time variables in optics and holography: recent experimental aspects (ET), AO 16: 454
- Space-variant processing of 1-D signals (TE), AO 16: 739
- Spatial frequency sampling by phase modulation as a method of generating multiple images (E), AO 16: 2261
- Storage by irradiation and electric field (P), AO 17: 1470
- Storage by irradiation and electric field (P), AO 17: 1471
- Subnanosecond laser recording on MnBi thin films (E), AO 13: 866
- Temporal modulation in noncoherent optical data processing (E) (L), AO 13: 997
- TV in space science activities: some considerations (E), AO 16: 999
- Using a holographic filter (P), AO 15: 1669
- Video apparatus for observing object changes using real time holographic interferometry (P), AO 14: A78
- Virtual holography: a method of source and channel encoding and decoding of information (TE), AO 18: 2543
- Waveform considerations in space-variant optical processors (ET), OL 4: 18
- Wide-band spectrum analysis with area modulation (TE), AO 18: 460
- Wideband spectrum analysis with area modulation: comment (T) (L), AO 18: 2540
- Wideband spectrum analysis with area modulation: authors' reply to comment (TE) (L), AO 18: 2541
- X-ray 3-D coded aperture imaging: displaying the heart (E), AO 15: 1913

## Data storage

- See also Information storage
- Acoustooptic traveling-wave transcription signal recording based on two-beam interference (TE), AO 18: 335
- Aspects of optical recording in thin metal films (A), JOSA 68: 1418
- Binary code conversion to produce binary holograms with enhanced diffraction efficiency (P), AO 15: 1360
- Digital spatial modulators (E), AO 13: 825
- Electrical control in photoferroelectric materials for optical storage (E), AO 13: 784
- Enhanced readout of stored holograms (P), AO 16: 798
- Experimental holographic read-write memory using 3-D storage (E), AO 13: 808
- Fe-doped  $\text{LiNbO}_3$  for read-write applications (ET), AO 13: 788
- High density data storage on ultraviolet sensitive tape (E), AO 13: 857
- High density image-storage holograms by a random phase sampling method (E), AO 13: 2046
- Highly sensitive light-induced memory effect with amorphous  $\text{Se-SnO}_2$  heterojunction (E), AO 13: 799
- Hologram indexing in  $\text{LiNbO}_3$  with a tunable pulsed laser source (E), AO 18: 2555
- Hologram memory with sequential data storage and beam angular relationship (P), AO 15: 1887
- Holographic memory providing both angular and translational reference beam deflections (P), AO 16: 12
- Holographic memory utilizing a changeable phase object and coherent subtraction (P), AO 16: 799
- Holographic memory with ferroelectric-ferroelastic page composer (P), AO 15: 831
- Holographic memory with fringe stabilizing compensation for recording medium motion (P), AO 18: 3804
- Holographic memory with retrieval by correlation (P), AO 15: 831
- Holographic recording on thermoplastic films (E), AO 13: 888
- Holographic storage and photoconductivity in PLZT ceramic materials (TE), AO 15: 1550



- Holographic storage and retrieval (P), AO 18: A114
- Holography memory (P), AO 15: 831
- Injection laser writing on chalcogenide films (E), AO 13: 795
- Laser 77: Opto-Electronics; Conference Proceedings. Edited by W. Waidelich (B), Reviewed by Baker, L. R., AO 17: 2864
- Laser recording with truncated Gaussian beams (T), AO 18: 2143
- Laser writing—reading with SmS thin films (E) (L), AO 14: 1060
- Limitations on holographic storage capacity of photochromic and photorefractive media (T), AO 18: 57
- Low charge-voltage frost recording on a photosensitive thermoplastic medium (E) (L), AO 14: 2054
- Magnetic materials for optical recording (R), AO 13: 767
- Multichannel laser recorder—reproducer for archival mass storage applications (A), JOSA 67: 1382
- Optical data storage potential of six materials (E), AO 13: 761
- Optically readable recording disk for binary data (P), AO 18: 3872
- Optical storage of digital data, topical meeting (R), AO 13: 747
- Optimum thickness of MnBi films for magnetooptical memory (E), AO 13: 779
- Page-oriented associative holographic memory (T), AO 13: 904
- Photodichroic recording and storage material (ET), AO 15: 815
- Polycube optical memory: a  $6.5 \times 10^7$  bit read—write and random access optical store (ET), AO 14: 2607
- Recording and reading synthetic holograms (P), AO 18: A113
- Role of optical memories in computer storage (R), AO 13: 755
- Sandwich holography for storing information interferometrically with a high degree of security (E), AO 18: 2017
- Scattering phenomena in volume holograms with strong coupling (ET), AO 17: 116
- Self-tracking optical data storage and retrieval system (A), JOSA 69: 1481
- Submillisecond development of thermoplastic recordings (E) (L), AO 13: 2471
- Subnanosecond laser recording on MnBi thin films (E), AO 13: 866
- Thermoplastic—photoconductor tape for optical recording (ET), AO 17: 2802
- Transparent electrophotographic films for optical data storage applications (E), AO 16: 1642
- Trends in storage of digital data (R), AO 13: 749
- Unique properties of SBN and their use in a layered optical memory (E), AO 13: 913

## Deflectors

- Acoustic power-dependent roll-off characteristics of anisotropic Bragg deflectors (A), JOSA 64: 554
- Acousto-optical light deflection (P), AO 13: 10A26
- Application of additional mirrors for rectilinear laser scanning of wide formats (T), AO 17: 203
- Bimorph optical beam deflector (E) (L), AO 15: 307
- Broadband acoustooptic deflectors: new results (ET), AO 14: 201
- Compensating the nonlinearity in the diffraction angle in  $\text{TeO}_2$  abnormal Bragg deflectors (ET) (L), AO 14: 15
- Design considerations of 2-D holographic scanners (T), AO 17: 748
- Distributed Bragg deflector: a multifunctional integrated optical device (T), AO 17: 2562
- Efficiency of thin-film acoustooptic light deflectors for a Gaussian guided optical beam (ET), AO 16: 2729
- Electrooptic Bragg-deflection modulators: theoretical and experimental studies (TE), AO 15: 1565
- Electro-optic quadrupole deflector (P), AO 13: 4A26
- Electrooptic streak camera: theoretical analysis (T), AO 18: 1025
- Electrooptic tuning of organic dye laser (P), AO 16: 539
- Electro-optic waveguide beam deflector (P), AO 15: 1888
- Focus path of a laser beam deflected by a prismatic polygon mirror: its calculation and optimization (T), AO 15: 3084

- Galvanometer deflection: a precision high-speed system (E), AO 15: 1437
- Guided acoustic traveling wave lens for high-speed optical scanners (ET), AO 18: 446
- High-performance guided-wave acousto-optic beam deflectors (A), JOSA 66: 385
- High resolution laser beam recorder with self-focusing acousto-optic scanner (P), AO 15: 9
- Holographic beam deflectors (A), JOSA 64: 562
- Holographic beam deflector utilizing a flat or concave disk and an auxiliary mirror (A), JOSA 64: 1382
- Holographic laser beam deflector (TE), AO 14: 976
- Holographic laser beam scanners utilizing an auxiliary reflector (TE), AO 16: 2137
- Holographic scan aberration correction: a clarification (TE) (L), AO 16: 2361
- Integrated electrooptic laser deflector (T) (L), AO 13: 1041
- Integrated optical deflector using bulk acoustic waves (A), JOSA 65: 1222
- Integration of deflection and detection of guided light on silicon substrates (A), JOSA 66: 289
- Interferometric deflection of laser beams (A), JOSA 65: 1166
- Laser beam scanning using computer-generated holograms (TE), AO 15: 183
- Light beam deflection method and apparatus (P), AO 13: 4A26
- Light beam deflector performance: a comparative analysis (T), AO 13: 875
- Light path steering with memory in As—S films (E) (L), AO 13: 1992
- Liquid crystal light deflector (P), AO 18: 1286
- Magnetic stripe domain deflector in integrated optics (E) (L), AO 15: 1683
- Materials processing with  $\text{CO}_2$  laser holographic scanner systems (TE), AO 17: 3727
- Near-confocal device for optical scan enhancement (P), AO 13: 976
- Nematic liquid crystal digital light deflector (ET), AO 13: 1802
- Nonlinear resonance scanning (T), AO 13: 1796
- Optical information channels: page-accessed and bit-accessed (T) (L), AO 14: 821
- Optical system using adaptive holographic components (P), AO 14: 1042
- Performance characteristics of a holographic laser beam deflector (A), JOSA 66: 385
- Performance criteria and limitations of electrooptic waveguide array deflectors (TE), AO 18: 3282
- Polarization considerations in the operation of a two-dimensional  $\text{TeO}_2$  abnormal Bragg deflector (ET) (L), AO 14: 812
- Polarized light beam scanning with improved angular resolution (P), AO 13: 2438
- Streaking of a light beam by an electro-optically induced traveling lens (E), OL 4: 49
- Ultrafast electro-optical beam deflectors (A), JOSA 68: 1450

## Densitometers

- Design and testing of a pneumatic focus servo for a high-speed microdensitometer (A), JOSA 65: 1210
- Determining proper color balance in color printing (P), AO 14: 1240
- Lightweight densitometer (P), AO 14: 1459
- Pseudo color densitometer analysis—the Apollo 17/Saturn V exhaust plume (E) (cover, Oct), AO 13: 2197
- Pulsed dye laser densitometry using an optical delay (E) (L), AO 16: 1132

## Detection

- Acoustooptic tunable filter performance in a staring IR sensor (T), AO 18: 3901
- Coherent detection signal-to-noise ratio (T), AO 14: 689
- Coherent detection SNR of an array of detectors (T), AO 15: 453
- Dead-time-corrected photocounting distributions for laser radiation (T), JOSA 65: 786
- Degeneracy of light and the optimum accuracy of photoelectric measurements (T), JOSA 64: 1598
- Detectability of a luminance increment (TE), JOSA 64: 1321
- Detectability of a luminance increment: effect of spatial uncertainty (E), JOSA 64: 1715
- Detection and estimation concepts (A), JOSA 68: 1398

- Detection and estimation in image processing (A), JOSA 68: 1398
- Detection of  $^{20}\text{Na}$  atoms and measurement of sodium-vapor densities by means of atomic-resonance fluorescence (E), JOSA 65: 952
- Detection of 1-of- $M$  orthogonal signals: asymptotic equivalence of likelihood ratio and multiband models (T), OL 3: 22
- Detection of Optical and Infrared Radiation. By R. H. Kingston (B), Reviewed by Zook, J. David, AO 18: A180
- Detection probabilities for fluctuating infrared targets (T), AO 14: 61
- Equivalence of threshold detection with and without dead time (T) (L), AO 18: 3886
- Estimation in signal-dependent noise (A), JOSA 68: 1385
- Estimation of spatial power spectra in speckle interferometry (T), JOSA 69: 786
- Experimental determination of the optimum conditions for heterodyne detection of optical fields (A), JOSA 65: 1199
- Focused beams, reciprocity, and heterodyne detection (A), JOSA 65: 1218
- Frequency-mixing detection (FMD) of polarization-modulated light (T), JOSA 66: 735
- Heterodyne detection: phase front alignment, beam spot size, and detector uniformity (T), AO 14: 1953
- Laser heterodyne interferometer for measuring biological motions. II. Phase tracking detection system (A), JOSA 68: 1390
- Laser two-photon ionization spectroscopy: a new method for real-time monitoring of atmospheric pollutants (E), OL 4: 337
- Least-mean-square spatial filter for IR sensors (T), AO 18: 4210
- Multichannel infrared receiver performance (TE), AO 18: 1567
- Multiple pulse detection in atmospheric turbulence (T), AO 17: 2721
- Multiple-scanning photoelectric detection system for high-resolution spectroscopy (A), JOSA 66: 1124
- Optimal condition for pulsed heterodyne detection of random signals (A), JOSA 68: 1421
- Optimum conditions for heterodyne detection of light (T), JOSA 65: 413
- Optimum detection in optical communications with a simple counting processor (A), JOSA 68: 1384
- Optimum filters and integrators for photoelectric detection of optical signals (A), JOSA 68: 1384
- Optimum photon detection with a simple counting processor (T), OL 1: 208
- Passive and/of active imaging system (P), AO 16: 13
- Periodic structures for heterodyne array detection (A), JOSA 68: 1441
- Photoelectron Statistics. By B. Saleh (B), Reviewed by Lachs, Gerard, AO 18: 412
- Photon counting processor for laser velocimetry (TE), AO 16: 1157
- Photon noise and atmospheric noise in active optical systems (T), JOSA 65: 551
- Quantum Detection and Estimation Theory. By Carl W. Helstrom (B), Reviewed by Rothstein, Jerome, AO 16: 791
- Quantum efficiency of the eye determined by comparison with a TV camera (E), JOSA 64: 1706
- Radiant energy detection system (P), AO 18: 3818
- Radiation detection system comprising two sets of filters for effective chopping (P), AO 14: 1041
- Radiation scanning and detection system (P), AO 18: 3818
- Remote detection of CARS employing fiber optic guides (E) (L), AO 18: 3215
- Signal-light nomogram (TE), JOSA 65: 111
- Signal-to-noise ratio in optical heterodyne detection for Gaussian fields (T), AO 17: 3466
- Signal-to-noise ratio in photocounting images of rough objects in partially coherent light (T), AO 15: 2268
- Single-threshold detection of a random signal in noise with multiple independent observations. 1: Discrete case with application to optical communications (T), AO 17: 3576
- Speckle and specular effects in active long-wavelength imaging systems using heterodyne detection (A), JOSA 68: 1361



- Statistical properties of ensembles of classical wave packets (T), JOSA 65: 421
- Stepwise laser photoionization of molecules in a mass spectrometer: a new method for probing and detection of polyatomic molecules (E), OL 3: 37
- Superresolution in incoherent imaging system (T) (L), JOSA 65: 354
- Three-frequency nonlinear heterodyne detection. 1: cw radar and analog communications (T), AO 14: 666
- Three-frequency nonlinear heterodyne detection. 2: Digital communications and pulsed radar, AO 14: 680
- Threshold of detection for various materials at  $10.6\ \mu\text{m}$  (E) (L), AO 17: 2670
- Visibility of unpredictably flickering lights (E), JOSA 64: 1517
- Visual detection of electrostatically stored ions (A), JOSA 68: 623

## Detectors

- See also individual types
- Abnormal glow discharge detection of visible radiation (ET), AO 15: 1610
- Absolute photon-flux measurements in the vacuum ultraviolet (ET), JOSA 64: 47
- Absolute radiometric calibration of detectors between 200–600 (E), AO 14: 1029
- Absorbing precipitates in cadmium telluride: estimates for catastrophic laser-damage thresholds (A), JOSA 67: 254
- Accurate radiometric basis for chemical actinometry (A), JOSA 66: 1080
- Anti-condensation device for infrared detector (P), AO 13: 1976
- Averaging sphere for ultraviolet, visible, and near infrared wavelengths: a highly effective design (ET), AO 15: 703
- Ballistic range model detection system (E), AO 15: 1869
- Bolometric laser power meter for sensitive measurements in the IR–vacuum UV spectral range (E) (L), AO 17: 2268
- Calibration of radiation instruments for the measurement of the radiant flux of an arbitrary source (TE), AO 16: 302
- Channel electron multiplier: its quantum efficiency at soft x-ray and vacuum ultraviolet wavelengths (E) (L), AO 15: 861
- Channel electron multipliers as secondary standard detectors at EUV wavelengths (E), AO 13: 1417
- Channel electron multipliers: detection efficiencies with opaque  $\text{MgF}_2$  photocathodes at XUV wavelengths (E), AO 15: 1218
- Charge-coupled device (P), AO 18: 2092
- Charge-coupled devices for image sensing (A), JOSA 65: 1173
- Coherent light source detector (P), AO 14: A77
- Compact infrared heat trap field optics (ET), AO 17: 1107
- Composite bolometers for submillimeter wavelengths (E), AO 17: 1562
- Convexity theorem for subthreshold stimuli in linear models of visual contrast detection (T), JOSA 68: 456
- Detectability of a luminance increment: effect of superimposed random luminance fluctuation (E) (L), JOSA 66: 1426
- Detecting radiation by means of pyromagnetic effect (P), AO 13: 3A26
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- Detector array fixed-pattern noise compensation (P), AO 15: 2609
- Detector nonlinearity effects on the statistics of a fluctuating signal (T), AO 17: 1286
- Differential Helmholtz resonator as an optoacoustic detector (E), AO 18: 3959
- Dynamics of thin-film thermal detectors in infrared imaging systems. 1: Basic equations and Fourier analysis (T), AO 13: 1455
- Effects of detector nonlinearity on calibration and data reduction of rotating-analyzer ellipsometers (TE), JOSA 66: 94
- Efficient averaging spheres for visible and ultraviolet wavelengths (ET), AO 14: 1940
- Electroabsorption detectors and modulators for integrated optical circuits (A), JOSA 65: 1211
- Electronic heterodyning in an optical detector (P), AO 18: 3966
- Evaluation of optical heterodyne detectors at  $5145\ \text{\AA}$  (E) (L), AO 16: 1810
- Fabrication and performance of intrinsic germanium photodiodes (E) (L), AO 16: 800
- Far infrared recombination radiation from  $n$ -type  $\text{Hg}_{1-x}\text{Cd}_x\text{Te}$  (E), AO 16: 2957
- Far IR emission from  $n$ -type  $\text{Hg}_{0.5}\text{Cd}_{0.5}\text{Te}$  in elastic fields (A), JOSA 67: 255
- Far-IR photoconductivity in silicon doped with shallow donor impurities (A), JOSA 67: 253
- Fast infrared laser detector using surface ionization (A), JOSA 68: 1442
- Flat scan holographic laser beam deflector (P), AO 18: A115
- Focal plane temperature stability requirements for thermal imaging systems using extrinsic Si:In detectors (T), AO 18: 2598
- Frequency demultiplexing in GaAs EAP waveguide detectors (TE) (L), AO 17: 3533
- Fundamental approach to the characterization of an electrically calibrated pyroelectric detector (A), JOSA 65: 1178
- $\text{GaAs}_{1-x}\text{P}_x$  photodiodes for cameras (A), JOSA 66: 1080
- Gain model for microchannel plates (TE), AO 18: 1418
- Gallium arsenide electroabsorption avalanche photodiode waveguide detectors (ET), AO 17: 1568
- Gas discharge response to light: dependence of linearity on space charge for optogalvanic and excited-state photoionization signals (ET), AO 18: 3513
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- Heat trap: an optimized far infrared field optics system (E), AO 15: 53
- Helmholtz resonance effect in photoacoustic cells (E), AO 18: 1784
- High accuracy laser power measurements: a scale comparison (E), AO 18: 1937
- High density infrared detector array (A), AO 17: 2261
- High field CdS detector for infrared radiation (P), AO 13: 1977
- Highly reflecting stable white paint for the detection of ultraviolet and visible radiations (E), AO 13: 2218
- High speed infrared detector (P), AO 17: 2261
- Hot-pressed TGS for pyroelectric detector applications (E) (L), AO 13: 1293
- Hot-pressed TGS for pyroelectric detector applications (E) (L), AO 13: 1293
- Hybrid cryogenic cooler for space flight applications (TE), AO 17: 2739
- Hybrid cryogenic cooler for space flight applications (errata), AO 17: 3522
- Image transfer properties of proximity focused image tubes (E), AO 16: 2127
- Improved detection of ultraviolet radiation with gas-filled phototubes through photoionization of excited atoms (ET), AO 16: 2470
- Improvements on "low-temperature dielectric bolometer" (TE), JOSA 64: 820
- Improvements on "low-temperature dielectric bolometer" (errata), JOSA 64: 1730
- Inexpensive highly efficient VUV light detectors (E) (L), AO 18: 2346
- Infrared detection and transmission apparatus (P), AO 18: 749
- Infrared detection using delayed breakdown (E) (L), AO 18: 959
- Infrared detector Dewars: increased  $\text{LN}_2$  hold time and vacuum jacket life spans (E) (L), AO 15: 836
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- Infrared pulse contours obtained with an inexpensive detector (E), AO 17: 308
- Infrared radiation sensitive image pick-up device (P), AO 18: 2092
- Infrared reflectometry with a cavity-shaped pyroelectric detector (E), AO 13: 2212
- Interference problems in a coherent aberration sensor (E), AO 18: 2891
- Ion implanted photodiode detectors in epitaxial ( $\text{Ga}_{1-x}\text{In}_x$ )As (E), AO 14: 2905
- Irreversible laser damage in IR detector materials (A), JOSA 67: 254
- Irreversible laser damage in IR detector materials (ET), AO 16: 2934
- Johnson noise limited operation of photovoltaic InSb detectors (ET), AO 14: 450
- Laser-mode beating used for detector frequency-response measurements (E), AO 16: 2703
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- Low-noise extended-frequency response with cooled silicon photodiodes (ET), AO 14: 2720
- Magnetic field-modulated, ultraviolet-resonance absorption NO analyzer (E) (L), AO 13: 239
- Magnetoreflexion studies of  $\text{Hg}_{1-x}\text{Cd}_x\text{Te}$  alloys (A), JOSA 67: 255
- Measurement of absolute intensity of radiation in XUV by a rare-gas photoelectron counter (E), AO 16: 3115
- Measurement of low level photodiode noise currents (E), AO 13: 2209
- Mercury cadmium selenide infrared detector materials (A), JOSA 67: 253
- Mesh-based semitransparent photocathodes (E), AO 14: 1667
- Microchannel plate life tests (E), AO 16: 1435
- Microphonically balanced pyroelectric detectors (E) (L), AO 13: 1294
- Modeling solar cells for use as optical detectors: background illumination effects (T), AO 17: 1786
- Monolithic photoconductive detector array (P), AO 15: 2947
- Multiplex advantage in the detection of optical images in the photon noise limit (TE), AO 13: 158
- Multiplexed dispersive spectrometers using reduced background infrared detectors (T), AO 13: 2651
- Noise-equivalent power and response time of TiSe bolometer at 1.5 K (TE), JOSA 65: 831
- One-atom detection in individual ionization tracks (E), OL 3: 16
- One-dimensional photon-counting detector array for use at EUV and soft x-ray wavelengths (E), AO 14: 1632
- Optical and Infrared Detectors. Edited by R. J. Keyes (B), Reviewed by Boyd, Robert W., JOSA 68: 1649
- Optical proximity detector (P), AO 16: 2594
- Optimal filter design for annular imaging (T), AO 13: 2919
- Optimal optoacoustic detector design (TR), AO 14: 1960
- Optimization of resonant cell design for optoacoustic gas spectroscopy (H-type) (ET), AO 17: 1110
- Optoacoustic detection using Stark modulation (E), AO 18: 2602
- Passivation of mercury cadmium telluride semiconductor surfaces by anodic oxidation (P), AO 17: 1470
- Performance of a silicon vidicon at low signal levels (E), AO 15: 3105
- Phosphor converter camera for near-infrared laser-beam profile recording (E), AO 18: 2136
- Photoacoustic air pollution detector at  $\text{CO}_2$  laser frequencies (ET), AO 18: 2938
- Photoconductive device (P), AO 13: 1977
- Photoconducting distributions with variable dead time (T) (L), AO 14: 2819
- Photodiode preamplifier systems: low-noise positive-feedback (E), AO 16: 385
- Photoelectric measuring device (P), AO 17: 2261
- Photoionization of excited atoms by low intensity light: experimental test of the effective cross section (ET), AO 17: 3933
- Photon irradiance sensor (E) (L), AO 17: 12
- Photon scalar irradiance meter (E) (L), AO 18: 1608
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Planar germanium photodiodes (E), AO 14: 1948

Pneumatic radiation detector (P), AO 18: 3713

Preliminary results from the NBS detector spectral transfer package program (A), JOSA 68: 1441

Properties of cat-whisker antennas for He-Ne 3.39  $\mu\text{m}$  radiation (A), JOSA 69: 1428

Pyroelectric self-scanning infrared detector arrays (E) (L), AO 18: 943

Pyroelectric vidicon: a new multichannel spectrometric infrared (1.0–30- $\mu\text{m}$ ) detector (ET), AO 17: 2489

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Quantum efficiency of the *p-n* junction in silicon as an absolute radiometric standard (T) (L), AO 18: 760

Quasi-monochromatic calibration source for the wavelength range from 0.22 $\mu\text{m}$  to 7.0 $\mu\text{m}$  (E), AO 13: 197

Radiant energy detection apparatus (P), AO 15: 1672

Radiant energy detection system (P), AO 17: 1474

Radiant energy optical detector amplifier (P), AO 13: 2440

Radiation detector using double amplification (P), AO 15: 2945

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Recent progress with multianode microchannel arrays (A), JOSA 68: 1441

Reflectance and external quantum efficiency change of a silicon photodiode after surface cleaning (E) (L), AO 18: 2531

Relative spectral sensitivity distribution measurements of photoreceivers (E), AO 16: 255

Resonant photoacoustic cells constructed from UHV hardware (E) (L), AO 17: 3348

Room-temperature, thin-film, PbS photoconductive detector hardened against laser damage (P), AO 18: 2092

Sampling in imaging systems, JOSA 65: 700

Saturation of optical detectors at high modulation frequency (A), JOSA 67: 1398

Saturation of silicon photodiodes at high modulation frequency (E), AO 17: 1103

Schottky barrier infrared detector having ultrathin metal layer (P), AO 13: 1976

Self-scanned anode array with a microchannel plate electron multiplier: the SSANACON (E), AO 16: 1533

Self-scanned photodiode array: high performance operation in high dispersion astronomical spectrophotometry (E), AO 17: 574

Semiconductor photoelectric device (P), AO 15: 2948

Sensitive far UV spectrograph with a multispectral element microchannel plate detector for rocket-borne astronomy (E), AO 15: 3123

Silicon diode array vidicons at the telescope: observational experience, AO 14: 1437

Silicon monolithic infrared detector array (ET), AO 16: 1525

Silicon photodetector instabilities in the UV (E) (L), AO 15: 1377

Single electron counting by self-scanning diode array in a Kron camera (E), AO 16: 2698

Slow-scan television system (E), AO 15: 2264

Solar cell spectral response characterization (E), AO 18: 3942

Solar irradiance measurements by means of optical fibers and silicon detectors (E), AO 18: 2902

Solar magnetograph employing integrated diode arrays (E), AO 15: 40

Spatial uniformity of quantum efficiency of a silicon photovoltaic detector (E), AO 18: 1933

Spectral reference detector for the visible to 12- $\mu\text{m}$  region; convenient, spectrally flat (E), AO 15: 1865

Stannic oxide, a new FIR detector material? JOSA 67: 968

Status of detector response transfer capabilities and implications regarding accurate photometry (A), JOSA 68: 1441

Structural and IR properties of  $\text{Pb}_{1-x}\text{Hg}_x\text{S}$  thin films (E), AO 16: 2945

Temperature dependent response of optical radiation measurement instrumentation (E), AO 16: 2968

Temperature-dependent Sellmeier coefficients and coherence length for cadmium telluride (T), JOSA 67: 628

Thallium selenide infrared detector (A), JOSA 67: 254

Thallium selenide infrared detector (E), AO 16: 2942

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Thermal modulation transfer function analysis of pyroelectric device characteristics (TE), AO 15: 1767

Thermal pinhole detector for beam alignment of LASL eight-beam  $\text{CO}_2$  laser system, helios (A), JOSA 68: 1441

Thermal radiation shields for radiant coolers (ET), AO 15: 1860

Thermal recovery processes in laser irradiated  $\text{HgCdTe}$  (PC) detectors (TE), AO 14: 2499

Threshold modulation equation for charge-coupled device (CCD) imagers (A), JOSA 69: 1428

Time response of NBS windowless XUV radiometric transfer standard detectors (E) (L), AO 14: 1764

Topographical investigation of the variations in stoichiometry in  $\text{Hg}_{1-x}\text{Cd}_x\text{Te}$  using electrolyte electroreflectance (A), JOSA 67: 252

Trombay infrared pneumatic detector: theory of operational characteristics (TE), AO 17: 3472

Tuning characteristics of the potassium and sodium vapor quantum counters (A), JOSA 69: 1428

Two dimensional display of detector response (P), AO 15: 2945

Typical photoefficiency between 20–250 eV of windowless XUV photodiodes with tungsten and anodized aluminum oxide photocathodes (E) (L), AO 17: 1489

Ultra-fast pyroelectric detectors for  $\text{CO}_2$  laser measurements (A), JOSA 69: 373

Ultraviolet effect on the responsivity of silicon photodiodes (A), JOSA 66: 1080

Ultraviolet enhanced responsivity of silicon photodiodes: an investigation (ET), AO 16: 1539

Ultraviolet response of InGaAsP photocathodes (E) (L), AO 16: 800

Ultraviolet sensitization of silicon detectors for space astronomical applications (E) (L), AO 18: 2085

Unfolding first and second order diffracted radiation when using synchrotron radiation sources: a technique (E), AO 14: 1391

Vacuum ultraviolet scintillators: sodium salicylate and *p*-terphenyl (E), AO 18: 1414

Vacuum UV performance of silicon detectors (E) (L), AO 16: 14

Variations in stoichiometry in  $\text{Hg}_{1-x}\text{Cd}_x\text{Te}$  using electrolyte electroreflectance: a topographical investigation (E), AO 16: 2858

Vortex heat-exchanger cooling for infrared detectors (A), JOSA 64: 1360

Vortex heat exchanger cooling for IR detectors (ET), AO 14: 2911

Wavelength deviation sensing detector (E) (L), AO 15: 862

Wideband 1064 nm detector evaluation (A), JOSA 66: 385

X-ray applications of self-scanning silicon diode arrays (E), AO 16: 572

X-ray calibration of RAR 2490 film for application to laser plasma experiments (E), AO 16: 393

## Dichroism

Angular momentum dependence of laser-induced birefringence and dichroism in atomic resonance lines (T), JOSA 68: 1184

Circular dichroism of poly-D-glutamic acid adsorbed on air–water interfaces (E), AO 14: 2143

Dichroic components for high energy  $\text{CO}_2$  lasers (A), JOSA 66: 166

Matrix transform optical calculus for generalized linear dielectric media (T), AO 14: 1406

Photodichroisms in integrated optics (A), JOSA 64: 1365

Polarization scrambling using a photoelastic modulator: application to circular dichroism measurement (TE), JOSA 65: 1031

Propagation of partially polarized light through anisotropic media with or without depolarization: a differential  $4 \times 4$  matrix calculus (T), JOSA 68: 1756

Pulsed dye laser applied to magnetic-circular-dichroism measurements (A), JOSA 65: 1210

Pulsed dye laser applied to modulated spectroscopy magnetic circular dichroism (E), AO 15: 1158

Resonant optical activity induced in gases by collisions with right–left nonsymmetrical molecules (T), OL 3: 1

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## Diffraction

See also Gratings

Aberration expansion and evaluation of the quasi-Gaussian beam by a set of orthogonal functions (T), JOSA 64: 850

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Aberrations of diffracted wave fields (TE), AO 17: 3003

Acoustic beam splitter for infrared lasers (P), AO 13: 6A26

Acousto-optic Bragg diffraction using multiple-surface acoustic waves and electro-optic deflection/modulation using tilted electrodes (A), JOSA 66: 289

Acoustooptic Bragg-diffraction with application to ultrahigh data rate laser communication systems. 1: Theoretical considerations of the standing wave ultrasonic Bragg cell (T), AO 16: 3032

Acoustooptic Bragg-diffraction with application to ultrahigh data rate laser communication systems. 2: Experimental results of the SUBC and the acoustooptical multiplexer/demultiplexer terminals (ET), AO 16: 3044

Alternative representations of Green's functions for the Helmholtz equation (T) (L), JOSA 65: 1525

Ambiguity function in Fourier optics (T), JOSA 64: 779

Ambipolar diffusion measurements in semiconductors using transient gratings (A), JOSA 68: 679

Analysis and experimental study of ruled half-tone screens (TE), AO 13: 1299

Analysis and experimental study of ruled half-tone screens: addendum (TE) (L), AO 13: 2189

Analysis of multiwave diffraction of thick gratings, JOSA 67: 1165

Analytical inversions in remote sensing of particle size distributions. 1: Multispectral extinctions in the anomalous diffraction approximation (T) (L), AO 17: 1675

Analytical inversions in remote sensing of particle size distributions. 2: Angular and spectral scattering in diffraction approximations (T) (L), AO 17: 1677

Analytic inversion of multispectral extinction data in the anomalous diffraction approximation (T), OL 3: 91

Angular spectrum and coherent imaging (TE), JOSA 64: 1503

Annular apertures with high obstruction: comment (T) (L), AO 13: 2774

Annular apertures with high obstruction: reply to comment (T) (L), AO 13: 2774

Apodization for maximum encircled-energy ratio and specified Rayleigh limit (T), JOSA 64: 23

Apodization for maximum Strehl criterion and specified Sparrow limit of resolution for incoherent illumination (T), JOSA 65: 1292



- Apodization for maximum Strehl criterion and specified Sparrow limit of resolution for coherent illumination (T), JOSA 67: 553
- Apodization for maximum Strehl ratio and specified Rayleigh limit of resolution (T), JOSA 67: 1027
- Apodization for maximum Strehl ratio and specified Rayleigh limit of resolution. II. (T), JOSA 69: 1526
- Apodization with specified over-all transmittance (T), JOSA 64: 969
- Apodization with specified Sparrow limit of resolution for incoherent illumination (A), JOSA 64: 528
- Apodized optical system (P), AO 16: 1814
- Apparatus and method for the uniform separation of spectral orders (P), AO 15: 1888
- Apparent size of reflecting polygonal obstacles of the order of one wavelength (TE), JOSA 69: 950
- Application of a sunburst aperture to diffraction suppression (T), JOSA 64: 978
- Application of the boundary-diffraction-wave theory to Gaussian beams (A), JOSA 64: 527
- Application of the boundary-diffraction-wave theory to Gaussian beams (T), JOSA 64: 1545
- Application of the finite Hankel self-transforms to superresolution (A), JOSA 68: 1453
- Application of the unimoment method to scattering from periodic dielectric structures (T), JOSA 68: 775
- Application of the vector theory to VideoDisc optical readout and inspection (A), JOSA 68: 1406
- Approximate solution to far-field diffraction by a semi-infinite plane of variable thickness (TE) (L), JOSA 64: 106
- Archival characteristics of Fourier color holograms (T), AO 17: 1059
- Aspheric grating for extreme ultraviolet astronomy (T), AO 17: 1252
- Asymmetric concave gratings: theory and applications (T), JOSA 64: 319
- Asymptotic scattering efficiency of a large sphere (T) (L), JOSA 69: 1615
- Asymptotic solution of the Huygens-Fresnel integral in circular coordinates (T), OL 3: 100
- Asymptotic theory of diffraction gratings used in the scalar domain (T), JOSA 68: 496
- Atlas of Optical Transforms. By G. Harburn, C. A. Taylor, and T. R. Welberry (B), Reviewed by MacAdam, David Pearce, JOSA 66: 396
- Band-limited angular-spectrum approximation to a spherical scalar wave field (T), JOSA 65: 1054
- Beam deflection in a pulsed chemical laser amplifier (ET), AO 18: 869
- Bragg-angle blazing of diffraction gratings (T), JOSA 65: 380
- Bragg diffraction of a Gaussian beam by a crossed-Gaussian volume grating (T), JOSA 67: 545
- Bragg diffraction of Gaussian beams of periodically modulated media (T), JOSA 66: 220
- Bragg diffraction of Gaussian beams by periodically modulated media (T) (errata), JOSA 66: 1141
- Bulk diffraction effects in silver halide (sensitized) gelatin (A), JOSA 68: 1396
- Calculation of arbitrary-order diffraction efficiencies of thick gratings with arbitrary grating shape (T), JOSA 65: 59
- Causality and classical interference and diffraction phenomena (A), JOSA 65: 1224
- Change of blaze wavelength as a function of position on the surface of a concave grating (TE), JOSA 64: 662
- Characteristics of a Gaussian beam at a dielectric interface (T), JOSA 68: 508
- Chromaticity and luminous efficiency of phase imaging systems (TE), AO 16: 3154
- Color diffractive subtractive filter master recording plurality of superposed two-level substrate (P), AO 18: 3958
- Comparison of various diffraction formulas in a study of open resonators (T), AO 17: 2519
- Comparisons between variational, perturbational, and exact solutions for scattering from a random rough-surface model (T), JOSA 68: 768
- Compensating for thermal blooming of repetitively pulsed lasers (T), JOSA 65: 1257
- Construction of the finite Hankel self-transforms in terms of their zeros through a variational principle (A), JOSA 68: 1453
- Control of pit geometry on video disks (ET), AO 18: 3198
- Coupled-wave analysis of light diffraction by a multi-element acoustic transducer array (T), JOSA 64: 1049
- Coupled-wave theory for multiply exposed thick holographic gratings (TE), JOSA 65: 724
- Coupling in doubly exposed, thick holographic gratings (ET), JOSA 65: 730
- Coupling in doubly exposed, thick holographic gratings (ET) (errata), JOSA 66: 79
- Coupling of plane-polarized electromagnetic waves to cylindrical modes (A), JOSA 65: 1167
- Criterion for Bragg and Raman-Nath diffraction regimes (T), AO 17: 1757
- Critical angle scattering by a bubble: physical-optics approximation and observations (TE), JOSA 69: 1205
- Degrees of freedom, and eigenfunctions, for the noisy image (T), JOSA 64: 1498
- Derivation of the MTF for an ideal optical system from Struve's equation for the line spread function: comments on (T) (L), AO 13: 734
- Detection of geometric perturbations in optical fibers (E), AO 16: 695
- Detection of the vacuole of yeast cells in suspension by transmittance radiometry (ET), AO 18: 3615
- Determination of diffractor size and shape from diffracted light (T), AO 17: 2162
- Diffracted waves in the shadow boundary region (T), JOSA 67: 551
- Diffraction analysis of Doppler signal characteristics for a cross-beam laser Doppler velocimeter (TE), AO 14: 2177
- Diffraction analysis of segmented-window systems (A), JOSA 65: 1176
- Diffraction and diffuse scattering from dielectric multilayers (T), JOSA 69: 48
- Diffraction and Imaging Techniques in Material Science. Edited by S. Amelinckx, R. Gevers, and J. Van Landuyt (B), Reviewed by Hawkes, P. W., AO 18: 1599
- Diffraction by a black screen (T), JOSA 65: 155
- Diffraction by M centers in KCl (ET), AO 15: 2428
- Diffraction by perfectly conducting plane screens (A), JOSA 67: 1437
- Diffraction characteristics of crossed-beam gratings (A), JOSA 69: 1483
- Diffraction corrections in radiometry: comparison of two different methods of calculation (TE), AO 14: 2002
- Diffraction corrections in the radiometry of extended sources (TE), AO 15: 1204
- Diffraction effects in long path interferometers (TE), AO 13: 1814
- Diffraction effects with lenticular projection screens (T), JOSA 65: 139
- Diffraction efficiency of constitutive holograms in multiplex holography (A), JOSA 65: 1219
- Diffraction efficiency of evanescent-wave holograms. I. TE polarization (T), JOSA 68: 795
- Diffraction efficiency of evanescent-wave holograms. II. TM polarization (T), JOSA 68: 802
- Diffraction efficiency of specular multiplexed holograms recorded on Kodak 649F plates (E), AO 18: 3652
- Diffraction ellipsometry at microwave wavelengths, JOSA 69: 328
- Diffraction from a sequence of apertures and disks, JOSA 65: 1451
- Diffraction from photolithy-induced dielectric gratings in thin PbI<sub>2</sub> films (A), JOSA 68: 1423
- Diffraction grating beam splitter (P), AO 15: 1358
- Diffraction gratings for color filtering in the zero diffraction order (ET), AO 17: 3598
- Diffraction gratings, U.S.-Japan seminar, Washington, D.C., 14-17 Oct 1975 (M), Reported by Hunter, W. R., AO 15: 1365
- Diffraction grating transmission efficiencies for XUV and soft x rays (E), AO 16: 1088
- Diffraction images of truncated triangular wave objects formed by a polarizing microscope with crossed polarizers (T) (L), AO 13: 1768
- Diffraction in the zonal Foucault test (E) (L), AO 16: 1782
- Diffraction limitations for plasma electron density measurements with schlieren methods (T), AO 14: 2537
- Diffraction losses associated with tungsten lamps in absolute radiometry (T), AO 14: 197
- Diffraction of electromagnetic waves by transparent edges (E), JOSA 64: 789
- Diffraction of electromagnetic waves by plane metallic gratings (T), JOSA 68: 1202
- Diffraction of Gaussian beams by a periodically modulated layer (T), JOSA 67: 1555
- Diffraction of Gaussian beams by periodically modulated media for incidence close to a Bragg angle (T) (L), JOSA 66: 1438
- Diffraction of light by sound waves according to the vector wave equation (T) (L), JOSA 64: 400
- Diffraction of light from an aperture on a spherical surface (T), JOSA 65: 909
- Diffraction of optical beams with arbitrary profile by a periodically modulated layer (A), JOSA 68: 1371
- Diffraction patterns of nonoverlapping circular grains (T) (L), JOSA 67: 700
- Diffraction patterns of simple apertures (TE), JOSA 64: 798
- Diffraction properties of absorbing cylinders suspended in outside absorbing media (A), JOSA 65: 1168
- Diffraction regimes of transmission gratings (T), JOSA 68: 809
- Diffraction spectrum of light transmitted by a superimposed ultrasonic wave and diffuser (TE), JOSA 69: 963
- Diffraction theory of laser read-out systems for optical video discs (T), JOSA 69: 4
- Diffraction theory of optical scintillations due to turbulent layers (T), JOSA 65: 78
- Diffractive ray tracing of laser beams (T), JOSA 66: 1368
- Digital and optical reconstruction of images from suboptical diffraction patterns (TE), AO 13: 665
- Discontinuity radiation in surface waveguides (T), JOSA 65: 1248
- Dispersion relations in Fraunhofer diffraction (T) (L), JOSA 69: 907
- Distribution of absorption centers within irradiated spheres (T), JOSA 69: 55
- Dynamic statistical properties of vibrating laser speckle in the diffraction field (TE), AO 17: 3785
- Edge diffraction of a convergent wave (TE), AO 14: 608
- Edge-on diffraction of a Gaussian laser beam by a semi-infinite plane (TE), AO 14: 1156
- Edge-on diffraction of a Gaussian laser beam by a semi-infinite plane: comments (E) (L), AO 15: 857
- Effect of diffraction in multiple-grid telescopes for x-ray astronomy (T), JOSA 68: 1708
- Effects of asphericity on single particle scattering (T), AO 17: 3152
- Effects of the relative phase relationships of gratings on diffraction from thick holograms (T), JOSA 69: 705
- Efficiencies of plane diffraction gratings measured in the conical and classical mountings (A), JOSA 67: 1438
- Efficiency optimization of rectangular groove gratings for use in the visible and IR regions (TE), AO 18: 2262
- Efficient wideband guided-wave acoustooptic Bragg diffraction using phased surface acoustic wave array in LiNbO<sub>3</sub> (ET), AO 16: 1297
- Eigenfunction solution of the scattering of beam radiation fields by spherical objects (T), JOSA 65: 1457
- Eigenfunction solution of the scattering of beam radiation fields by spherical objects (errata), JOSA 66: 401
- Electromagnetic field in the caustic region of a wide-angle spherical antenna under oblique parallel-beam illumination (A), JOSA 65: 1225
- Electromagnetic field scattering by a triangular aperture (T), AO 18: 823
- Electromagnetic scattering and absorption by thin walled dielectric cylinders with application to ice crystals (T), AO 16: 2979
- Electromagnetic scattering by a cluster of spheres (T), AO 18: 116
- Electromagnetic Scattering. Edited by Piergiorgio L. E. Uslenghi (B), Reviewed by Welford, Walter T., AO 18: 1171
- Electromagnetic scattering from dielectric rods of arbitrary cross section (T), JOSA 66: 254
- Energy distribution in a scatterplate interferometer (TE), JOSA 69: 1305
- Equivalence of multiwave coupled-wave theory and modal theory for periodic-media diffraction (T), JOSA 68: 1777



- Equivalence theorems for planar sources that generate the same distributions of radiant intensity (T), JOSA 69: 942
- Equivalent passband of perfect lens (T) (L), JOSA 64: 730
- Evaluation of coupled-wave diffraction theory via exact modal theory (A), JOSA 69: 1416
- Ewald-Oseen extinction theorem and the diffraction formula for inhomogeneous media, derived from the classical theory of dispersion (T), JOSA 65: 679
- Existence of the cone formed by diffracted rays (A), JOSA 64: 1404
- Experimental evidence of edge parameter effects in light diffraction, using holography (E), JOSA 67: 87
- Experimental investigation of the far-field diffraction by a semi-infinite plane of variable thickness: Parallel polarization (ET), JOSA 69: 24
- Explanation of the two-ring diffraction phenomenon observed by Moran and Kaminov (T) (L), AO 13: 2
- Far-field diffraction patterns for Gaussian beams in the presence of small spherical aberrations (T) (L), JOSA 65: 853
- Far field diffraction patterns of circular gratings (T), AO 13: 2638
- Far-field energy, in the geometric mode limit, of loaded unstable resonators with centered or corner oscillations (T) (L), AO 16: 1790
- Far-field illumination of targets by annular apertures (T), JOSA 65: 1300
- Far-zone behavior of fields from sources of arbitrary state of coherence (A), JOSA 64: 1398
- Far-zone range-criteria for quasi-homogeneous partially coherent sources (T), JOSA 68: 1332
- Fast Fourier transform calculation of diffraction patterns for cube-corner retroreflectors (A), JOSA 66: 1095
- Focusing of laser beams by a sequence of irises (TE), AO 18: 875
- Forming focusing diffraction gratings for integrated optics (P), AO 18: 3341
- Fourier transform of the Green's function for the Helmholtz equation (T) (L), JOSA 65: 964
- Fraunhofer diffraction at straight-edged apertures (TE), JOSA 69: 765
- Fraunhofer diffraction by semicircular apertures (T) (L), JOSA 67: 122
- Fraunhofer diffraction due to an elliptic annulus (T) (L), JOSA 65: 1154
- Fraunhofer diffraction due to an elliptic annulus (L), JOSA 66: 190
- Fraunhofer diffraction pattern of an aperture (T) (L), JOSA 65: 1077
- Fraunhofer diffraction patterns from uniformly illuminated square output apertures with noncentered square obscurations (T), AO 15: 2228
- Fresnel region for spatially band-limited signals (T), JOSA 65: 188
- Fresnel zones calculation. part 2 (T), AO 15: 1210
- Fringe sharpening and diffraction in nonlinear two-exposure holographic interferometry (TE) (L), JOSA 66: 1418
- Geometrical Theory of Diffraction for Electromagnetic Waves. By Graeme L. James (B), Reviewed by Felsen, Leopold B., AO 17: 498
- Gratings that diffract all incident energy (T), JOSA 67: 557
- Holographic evaluation of resolution in amorphous chalcogenide inorganic photoresists (ET), AO 18: 1753
- Holographic real image of a point source (T) (L), JOSA 68: 423
- Hybrid optical-digital radiography-based system for lung disease detection (E), AO 16: 2637
- Image formation of partially coherent diffuse object (T), JOSA 64: 919
- Image profile upon passage through a Fabry-Perot interferometer of large Fresnel number (T), JOSA 69: 348
- Image quality in an optical system operating in partially coherent light: effect of parabolic motion (T), AO 15: 2233
- Image speckle patterns of weak diffusers (T), JOSA 65: 709
- Imaging performance of annular apertures (TE), AO 13: 1820
- Imaging performance of annular apertures. 2: Line spread functions (TE), AO 17: 1075
- Imaging performance of annular apertures. 3: Apodization and modulation transfer functions (T), AO 18: 3770
- Imaging with noncentrally obscured circular pupils (T), JOSA 68: 742
- Imaging with obscured pupils (T), OL 1: 128
- Included power for obscured circular pupils (T), AO 17: 964
- Influence of edge parameters on the angular dependence of the edge wave in the diffraction of polarized laser light by cylinders (A), JOSA 69: 1485
- Influence of higher harmonics of a grating on the intensity profile of the diffraction orders via surface plasmons (ET), OL 1: 194
- Influence of longitudinal vibrations on the diffraction images of bright incoherent disks (T), AO 14: 500
- Information transmission by nonhomogeneous plane waves (A), JOSA 64: 1398
- Integral equation for a 90° or a quasi-90° roof-mirror optical resonator (T), JOSA 64: 289
- Intensity mapping optical aberrations (T), AO 17: 1527
- Interference and diffraction in globular metal films (ET), JOSA 68: 1023
- Interference theory of reflection from multilayered media (T), JOSA 67: 448
- Interferometric measurement of the optical phase distribution for Fresnel diffraction by a straightedge (E), AO 18: 2013
- Intermittent characteristic curves for Kodak 649F plates at 514.5 nm (E), AO 18: 3644
- Introduction to Diffraction, Information Processing, and Holography. By Francis T. S. Yu (B), Reviewed by Williams, John R., AO 13: 685
- Introduction to Diffraction, Information Processing, and Holography. By Francis T. S. Yu (B), Reviewed by Carlson, F. Paul, JOSA 66: 395
- Iridescence in an aircraft contrail (TE), JOSA 69: 1080
- Iridescence in an aircraft contrail (TE), JOSA 69: 1194
- Irradiance distribution, resolution, and size estimates in diffraction limited imagery of extended circular targets (T), AO 14: 503
- Irradiance scintillation of a partially coherent source in extremely strong turbulence (A), JOSA 68: 1369
- Irradiance tailoring as a method of reducing thermal blooming in an absorbing medium (TE), JOSA 64: 1123
- Large dynamic range acousto-optical devices using birefringent diffraction in TeO<sub>2</sub> (A), JOSA 68: 1363
- Large time-bandwidth product acoustooptic correlator and its use in a cascade design matched filter (E), AO 13: 1342
- Laser diffraction study of diatoms (A), JOSA 66: 1135
- Laser read-out systems for optical video disks (A), JOSA 68: 1428
- Laser studies of internal conical diffraction. I. Quantitative comparison of experimental and theoretical conical intensity distribution in aragonite (TE), JOSA 68: 1093
- Laser studies of internal conical diffraction. II. Intensity patterns in an optically active crystal,  $\alpha$ -iodic acid (TE), JOSA 68: 1098
- Light scattering by small particles in an absorbing medium (T), JOSA 67: 561
- Light scattering by structured spheres (T), JOSA 68: 592
- Light scattering measurements of particle distributions (TE), AO 15: 1616
- Linear Systems, Fourier Transforms, and Optics. By Jack D. Gaskill (B), Reviewed by Farmer, W. Michael, AO 18: 1128
- Marechal intensity criteria modified for circular apertures with nonuniform intensity transmission: Dini series approach (T), OL 2: 124
- Marechal intensity criteria modified for Gaussian beams (T), AO 13: 2126
- Marechal intensity criteria modified for Gaussian beams (T) (errata), AO 13: 2774
- Measurement of surface-current densities (E), JOSA 65: 246
- Measurement of the optical phase distribution for Fresnel diffraction by a straight edge (A), JOSA 68: 1406
- Measuring concave diffraction grating efficiencies at grazing incidence (T), AO 16: 3171
- Measuring the wavelength of light with a self-calibrating grating (ET), OL 1: 191
- Method of x-ray diffraction topography of monocrystals and apparatus (P), AO 14: 1044
- Microwave diffraction by a conducting object for various shapes (E), JOSA 67: 1566
- Modern Topics in Electromagnetics and Antennas, 1976 Summer Institute at Technical University, Eindhoven. By H. Bach, P. J. B. Clarricoats, J. B. Davies, A. T. de Hoop, L. B. Felsen, R. Mettra, H. G. Unger and J. von Bladel (B), Reviewed by Arnaud, Jacques A., JOSA 68: 1289
- Modes and modes degeneracy in 90° and in quasi-90° roof open resonators (T), JOSA 65: 1050
- Modes of empty off-axis unstable resonators with rectangular mirrors (T), AO 18: 1828
- Modulation transfer function measurement by diffraction shearing (A), JOSA 68: 1391
- Moire interferometry with white light (E), AO 18: 4163
- Multi-aperture diffraction (T) (L), AO 15: 21
- Multiple imaging by diffraction techniques (R) (L), AO 15: 312
- Narrow resonance structure in the Mie scattering characteristics (T) (L), AO 17: 3019
- Near-field diffraction by a disk (A), JOSA 69: 1473
- Near-field diffraction of bar targets, gratings, and Fresnel zone plates (A), JOSA 64: 528
- Near-field diffraction on the axes of disks (E), JOSA 67: 1561
- Neutron diffraction on a vertical axis goniometer; high temperature diffraction furnace for all atmospheres (E), AO 16: 1275
- New analysis of the theory of Rowland ghosts (T) (errata), AO 13: 1009
- New class of amplitude filters superresolving in a restricted field (A), JOSA 65: 1225
- Nonlinear holographic waveguide coupler (E), AO 15: 1800
- Nonlinear reflection properties of germanium associated with thermal effects (T), AO 17: 520
- Non spherical extinction and absorption efficiencies (T), AO 17: 3159
- Null curves in diffraction patterns (T), AO 16: 2451
- Numerical study of scattering by large dielectric spheres (T), JOSA 68: 130
- Obtaining information through the atmosphere at the diffraction limit of a large aperture (T), JOSA 65: 755
- Open beam waveguides: theory (T), AO 14: 1565
- Optical antenna gain. 1: Transmitting antennas (T), AO 13: 2134
- Optical antenna gain. 2: Receiving antennas (T), AO 13: 2397
- Optical antenna gain. 2: Receiving antennas (T) (errata), AO 13: 2762
- Optical antenna gain. 3: Effect of secondary element support struts on transmitter gain (T), AO 15: 977
- Optical diffractometers (P), AO 15: 1888
- Optical phased-array antennas (A), JOSA 65: 1225
- Optical properties of the distorted cholesteric structure (T), JOSA 64: 1178
- Optical simulation of electron diffraction of thin crystals (ET), JOSA 64: 1309
- Optical transforms of rough edges and gaps (A), JOSA 68: 1362
- Optical-wave field determined over a hemispherical boundary surface (T), JOSA 65: 999
- Optical-wave near field specified from far-field data (T), JOSA 65: 1059
- Optimal design for beam sampling mirror gratings (T) (L), AO 15: 2937
- Optimal filter design for annular imaging (T), AO 13: 2919
- Partial-wave resonances and the ripple structure in the Mie normalized extinction cross section (T) (L), JOSA 66: 285
- Particle sizing by forward lobe scattered intensity-ratio technique: errors introduced by applying diffraction theory in the Mie regime (T), AO 17: 1644
- Patterns of Abbe and Fourier (N), AO 13: 1411
- Perfectly blazed reflection gratings with rectangular grooves (TE), JOSA 68: 1211
- Phase approximation of the Huygens-Kirchhoff method in problems of laser-beam propagation in the turbulent atmosphere (T), OL 1: 172
- Phase from intensity measurements (T), JOSA 68: 87
- Phase zone plates for x rays and the extreme UV (T), JOSA 64: 301
- Photon noise and atmospheric noise in active optical systems (T), JOSA 65: 551



- Polarization states of light diffracted by acoustic surface waves (ET), AO 15: 811
- Propagation of the generalized radiance through lenses (T), JOSA 68: 1606
- Properties of the shadow cast by a half-screen when illuminated by a Gaussian beam (T), JOSA 69: 1503
- Proposed mapping of ultrasonic fields with conventional light diffraction (TE), JOSA 65: 682
- $Q_{2n}$  functions of E. Wolf (T) (L), JOSA 65: 1519
- Quasi-fast-Hankel transform for optical diffraction calculations (A), JOSA 66: 1132
- Quasi fast Hankel transform (T), OL 1: 13
- Radiometric errors caused by diffraction from circular apertures: edge effects (TE), AO 16: 377
- Randomly serrated edges, lines, and apertures (A), JOSA 67: 1416
- Randomly spaced phased arrays with large interelement spacing (T) (L), AO 16: 2029
- Range of validity of the Rayleigh and Thomson limits for Lorenz-Mie scattering (T) (L), JOSA 68: 135
- Rayleigh hypothesis in the theory of reflection by a grating (T), JOSA 69: 27
- Rayleigh-Sommerfeld diffraction theory, partial coherence and Lambert's Law (A), JOSA 67: 1366
- Ray-optical analysis of cylindrical unstable resonators (T), JOSA 69: 563
- Real-time wavefront correction through Bragg diffraction of light by sound waves (TE), JOSA 65: 271
- Reconstruction fidelity from volume holograms of finite width and variable index modulation (T), JOSA 69: 496
- Recurrence between Mie's coefficients (T) (L), JOSA 66: 1424
- Reduction of diffraction errors in radiometry by means of toothed apertures (E), AO 17: 3323
- Reflectivity changes of Ge due to illumination by beams of unequal frequency (E), AO 18: 1921
- Representation of a diffracted wave field by the band-limited angular spectrum (T), JOSA 68: 1579
- Resolution of an aperture for coherent imaging (A), JOSA 68: 1404
- Rigorous diffraction theory for transmission phase gratings with deep rectangular grooves, JOSA 68: 1206
- Ring pattern of a lens-axicon doublet illuminated by a Gaussian beam (TE), AO 17: 1080
- Roof-mirror resonators (T), JOSA 65: 649
- Scalar diffraction in the caustic region of a monochromatic spherically aberrated wave under a modal or Gaussian law of radial amplitude variation (A), JOSA 67: 1437
- Scattering and absorption of electromagnetic radiation by thin dielectric disks (T), AO 15: 1832
- Scattering by inhomogeneous nonspherical objects (T), AO 18: 1190
- Scattering by spheres with nonisotropic refractive indices (ET), AO 15: 1212
- Scattering of an electromagnetic wave from dielectric bodies of irregular shape (T), JOSA 69: 756
- Scattering of electromagnetic beams by spherical objects (T), JOSA 68: 763
- Scattering of electromagnetic waves by arbitrarily shaped dielectric bodies (T), AO 14: 2864
- Scattering of focused beams by tenuous particles (T), AO 18: 294
- Scattering of two coherent light beams (T), JOSA 65: 586
- Scattering theory of multilayer optical coatings (A), JOSA 68: 1418
- Second moment of the diffraction point spread function as an image quality criterion (T) (L), JOSA 69: 1311
- Shadowing an inhomogeneous plane wave by an edge (T), JOSA 68: 983
- Shadowing an inhomogeneous plane wave by an edge (errata), JOSA 68: 1787
- Signal distortion due to beam-pointing error in a chopper modulated laser system (ET), AO 17: 389
- Silicon-carbide diffraction grating for the vacuum ultraviolet: feasibility (E) (L), AO 16: 2013
- Simplified diffraction theory of the video disk (T), AO 17: 2037
- Simultaneous blazing of triangular groove diffraction gratings (T) (L), JOSA 67: 1686
- Simultaneous forward and backward integration for standing waves in a resonator (T) (L), AO 18: 2730
- Single strip diffraction: comparison of Kirchhoff theory and geometrical theory with the exact solution in the limit of small glancing angle and width; perpendicular polarization (T), AO 15: 2866
- Sound-induced anomalous transmission of light through semiconducting crystals below the plasma edge (T), JOSA 68: 42
- Space-invariant achromatic grating interferometers: theory (TE), AO 14: 1592
- Spatially dispersive transmission bands at small grazing angles of incidence (A), JOSA 65: 1167
- Spectral properties of random arrays of grains (TE) (L), JOSA 68: 1781
- Spectral properties of random arrays of grains: comment (T) (L), JOSA 68: 1782
- Spectral properties of random arrays of grains (TE) (L), JOSA 69: 1315
- Statistical properties of laser speckle produced in the diffraction field (TE), AO 16: 1742
- Statistics of irradiance scattered from a diffuse object containing multiple glints (A), JOSA 68: 1369
- Statistics of random grating diffraction patterns (A), JOSA 67: 1368
- Study of boundary waves at 6328 by means of holography (A), JOSA 65: 1167
- System for determining parameters of a particle by radiant energy scattering techniques (P), AO 14: A52
- Temporary diffraction gratings on the surface of indium arsenide (E) (L), AO 18: 960
- Theory of alignment monitoring by diffraction from superimposed dual gratings (T), JOSA 68: 1716
- Theory of diffraction efficiency and anomalies of shallow metal gratings of finite conductivity (T), JOSA 69: 333
- Thermal blooming of repetitively pulsed laser beams (T), JOSA 64: 1651
- Thermally induced errors in diffractive beam sampling (A), JOSA 69: 1405
- Thin slits: transmission and polarization (E), AO 15: 1199
- Thin slits: transmission and polarization; comment (L), AO 15: 2619
- Thin slits: transmission and polarization; author's reply to comment (L), AO 15: 2620
- Threaded article parameter measurement by spatial spectra analysis (TE), AO 18: 197
- Total illumination in an aberration free annular aperture (T) (L), AO 13: 736
- Transmission grating efficiencies for wavelengths between 5.4 Å and 44.8 Å (E), AO 18: 368
- Unified description of holographic grating diffraction (A), JOSA 67: 1438
- Uniqueness question in the problem of phase retrieval from intensity measurements (T) (L), JOSA 68: 1352
- Use of classical and conical diffraction mountings for XUV gratings (TE), JOSA 68: 1106
- Use of curved-line gratings for diffraction of light in an optical waveguide (A), JOSA 67: 1392
- Variable bandshapes in birefringent acousto-optical diffraction in LiNbO<sub>3</sub> (A), JOSA 66: 1094
- Wave propagation along a dielectric interface (T), JOSA 64: 794
- Wave propagation in optical systems with large apertures (T), JOSA 68: 485
- Weak Bragg diffraction in propagation of a focused beam through an inhomogeneous thin layer (A), JOSA 65: 1167
- White-light Fraunhofer diffraction (TE), JOSA 69: 584
- White-light Fresnel diffraction by a circular aperture (TE), JOSA 67: 643
- Diffusers**
- Aliasing error in digital holography (TE), AO 15: 2183
- Correlation properties of diffusers for multiplex holography (A), JOSA 69: 1409
- Diffuser for producing texture masks for image processing (TE), AO 13: 648
- Diffuser with pseudorandom phase sequence (T), JOSA 69: 1367
- Efficient averaging spheres for visible and ultraviolet wavelengths (ET), AO 14: 1940
- Image speckle patterns of weak diffusers in partially coherent light (A), JOSA 66: 182
- Improved light diffuser based on the Kalliroscope effect (E) (L), AO 17: 1307
- Method of making a diffusing layer (P), AO 13: 10A26
- Minimax spectrum shaping with a bandwidth constraint (ET), AO 14: 3062
- Optical correlator using random partial diffusers (A), JOSA 69: 1423
- Smoothly granulated optical surface (P), AO 13: 2438
- Speckle from a thick diffuser (A), JOSA 65: 1196
- Diodes**
- Chromatic delay in light emitting diodes (E), AO 13: 1050
- Contrast enhancement of light emitting diode displays (T), AO 13: 2248
- Electrochemical Society, 143rd meeting, electronics division, Chicago, 13-18 May 1973 (M), Reported by Huff, Howard R., AO 13: 227
- LED reference channel nonlinearities (E) (L), AO 18: 1481
- Measurements of the baseband frequency response of a 1-km fiber (E), AO 13: 266
- Polarization modulation with (110) double heterostructure *p-n* junction diodes (A), JOSA 66: 289
- Progress in LEDs as signal sources (A), JOSA 67: 708
- Pulse widening in a multimode optical fiber excited by a pulsed GaAs LED (E), AO 13: 264
- Semiconductor Lasers and Heterojunction LEDs. By Henry Kressel and J. K. Butler (B), Reviewed by Tien, P. K., AO 17: 2863
- Semiconductor photoelectric device (P), AO 15: 2948
- Technology of electroluminescent diodes, conference, Atlanta, 20-21 Nov 1974 (N), AO 13: 1659
- X-ray applications of self-scanning silicon diode arrays (E), AO 16: 572
- Dispersion**
- Anomalous dispersion of surface plasma oscillations (TE) (L), JOSA 68: 1147
- Attenuated-total-reflection spectral linewidth: analysis of surface-polariton dispersion relations and damping rates (TE), JOSA 64: 350
- Broad spectral bandpass atmospheric dispersion correctors (A), JOSA 69: 1413
- Chirped-pulse compression in strongly dispersive media (T), JOSA 67: 1575
- Chromostereopsis with small pupils (E) (L), JOSA 65: 358
- Classical dispersion theory applied to the infrared reflectance of calcite, dolomite, and limestone (A), JOSA 68: 1403
- Complex-reflectivity dispersion relation and radiation reaction (T) (L), JOSA 65: 1075
- Compression of frequency chirped optical pulses by a strongly dispersive grating pair (T), AO 18: 737
- Continued-factorization method for optical dispersion (T), JOSA 64: 1582
- Direct measurement of the inhomogeneous dispersion parameter in optical fibers (A), JOSA 67: 707
- Dispersion in step-index silicone-clad fibers (E), AO 18: 4000
- Dispersion minimum of monomode fibers (T), AO 18: 1259
- Dispersion relation for complex reflectivity (T) (L), JOSA 65: 1075
- Dispersion relations and complex reflectivity (T), JOSA 65: 146
- Dispersion relations and sum rules for magnetoreflexivity (T), JOSA 66: 547
- Dispersion relations for complex reflectivities (T) (L), JOSA 67: 570
- Dispersion relations for the complex refractive index of circularly and elliptically polarized light (T): comments, JOSA 66: 454
- Dispersion relations in Fraunhofer diffraction (T) (L), JOSA 69: 907
- Effect of anomalous dispersion by water vapor on  $C_n^2$  for IR propagation (A), JOSA 68: 1425
- Effect of dispersion on the reflection and transmission extrema from a monolayer (ET), AO 14: 640
- Effects of temperature and pressure on the rotatory dispersion of Bi<sub>12</sub>GeO<sub>20</sub> (ET), JOSA 65: 446



- Evaluation of material dispersion using a nanosecond optical pulse radiator (E), AO 18: 2223
- Ewald-Oseen extinction theorem and the diffraction formula for inhomogeneous media, derived from the classical theory of dispersion (T), JOSA 65: 679
- Factors affecting practical attenuation and dispersion measurements (A), JOSA 67: 707
- Frequency domain measurements of dispersion as a function of wavelength in multimode optical fibers (A), JOSA 67: 707
- Further discussions of approximate formulas describing dispersion properties of dielectric optical waveguides (T), JOSA 69: 1373
- Kramers-Kronig dispersion analysis of LiF reflectance data obtained at ambient and low temperatures (ET), JOSA 64: 1450
- Length dependence of pulse dispersion in a long multimode optical fiber (E), AO 14: 1357
- Material dispersion in optical fibers (T), AO 18: 31
- Modal dispersion in fibers with any N.A. and any profile dispersion (A), JOSA 67: 707
- Modal dispersion in lightguides in the presence of strong coupling (T), JOSA 68: 1586
- Optical anomalous dispersion of helium (T), JOSA 64: 1470
- Optics of bianisotropic media (T), JOSA 64: 1304
- Piezo- and thermo-optical properties of  $\text{Bi}_{12}\text{GeO}_{20}$ . I. Optical rotatory dispersion (ET), JOSA 65: 436
- Piezo- and thermo-optical properties of  $\text{Bi}_{12}\text{GeO}_{20}$ . II. Refractive index (E), JOSA 65: 442
- Piezo- and thermo-optical properties of  $\text{Bi}_{12}\text{GeO}_{20}$ . III. The dispersion theories and models (T), JOSA 69: 352
- Pulse broadening in optical fibers (T) (L), AO 16: 2583
- Pulse spreading in a single-mode fiber due to third-order dispersion (T), AO 18: 678
- Pulse spreading in a single-mode optical fiber due to third-order dispersion: effect of optical source bandwidth (T), AO 18: 2237
- Raman  $1.1\ \mu\text{m}$  fiber oscillator tuned by group velocity dispersion (A), JOSA 67: 709
- Reduction of pulse dispersion in imperfect multimode fibers (T) (L), AO 15: 869
- Refraction, dispersion and  $dn/dT$  of CVD zinc selenide (A), JOSA 65: 1169
- Refractivity and dispersion of hydrogen in the visible and near infrared (E), JOSA 67: 1550
- Relation between dispersion and power-flow distribution in a dielectric waveguide (T), JOSA 65: 41
- Relation between piezo-optical and thermo-optical properties of crystals (T), JOSA 64: 944
- Spatially dispersive transmission bands at small grazing angles of incidence (A), JOSA 65: 1167
- Spectral variations in the volume scattering function at large angles in natural waters (TE), JOSA 64: 773
- Temporal spreading of a pulse propagating in a two-mode optical fiber (T), JOSA 69: 1596
- Ternary fiber glass composition for minimum modal dispersion over a range of wavelengths (A), JOSA 67: 709
- Validity of the Kramers-Kronig transformation used in reflection spectroscopy (T), JOSA 67: 520

## Displays

- See also information categories and Crystals, liquid
- Active imaging system: a long range scanned laser (E), AO 15: 1284
- Advances in Image Pickup and Display, Volume 2. Edited by B. Kazan (B), Reviewed by Rabinow, Jacob, AO 15: 1108
- Advances in Image Pickup and Display, Volume 2. Edited by B. Kazan (B), Reviewed by Biberman, Lucien M., JOSA 66: 868
- Aircraft landing simulator (P), AO 16: 3246
- Aliasing and quantization in the efficient display of images (A), JOSA 67: 1416
- Aliasing and quantization in the efficient display of images (TE), JOSA 69: 869
- Augmented laser scan equations (T) (L), AO 17: 1161
- Computer-aided design of ider signals for binary display of images (ET), AO 18: 2708
- Concurrent display of multiple functions (T) (L), AO 14: 1485

- Contrast enhancement of light emitting diode displays (T), AO 13: 2248
- Contrast of thermochromic displays (P), AO 15: 2608
- Controllable liquid-crystal display device (P), AO 16: 2789
- Dichromated gelatin holographic combiners for head-up displays (A), JOSA 67: 1373
- Diffraction optics head up display (P), AO 13: 1727
- Digital profile to contour converter and display (ET), AO 15: 2855
- Digital solid-state scan-converter with unusual display capabilities (E), AO 14: 1835
- Display and Analysis of Spatial Data. Edited by J. C. Davis and M. J. McCullagh (B), Reviewed by Jancaitis, James R., JOSA 66: 394
- Display devices in image processing, AO 14: 2971
- Displays and perception of displayed information seminar series, University of Tel Aviv, 1-10 Sep 1974 (M), Reported by Biberman, Lucien M., AO 14: 800
- Display technologies, course, George Washington Univ., 9-13 Sep 1974 (N), AO 13: 1064
- Display technology course, George Washington Univ., 6-10 May 1974 (N), AO 13: 574
- Doped liquid crystal display device (P), AO 17: 1476
- Electrochromic device (P), AO 17: 2262
- Electrochromic display cell (P), AO 18: 3892
- Electrochromic variable optical transmission device with a liquid electrolyte (P), AO 18: 3892
- Electroluminescent display and circuit protective device (P), AO 18: 3713
- Electronics division symposia, 145th Electrochemical Society Meeting, San Francisco, 12-17 May 1974 (M), Reported by McAllister, W. A., AO 13: 2451
- Electro-optical cell (P), AO 17: 1469
- Electro-optical devices (P), AO 15: 1672
- Electrooptical display device using a liquid crystal cell (P), AO 18: 3220
- Electro-optic display device (P), AO 13: 2440
- Electro-optic display devices and methods (P), AO 17: 1472
- Electrooptic display system (P), AO 16: 2027
- Fast-Fourier-transform holography: recent results (TE), OL 3: 30
- Ferroelectric liquid crystal display (P), AO 17: 1475
- Field-effect mode liquid crystal display displaying images in complementary colors (P), AO 18: 3220
- Fine structure of an image facsimile synthesized with a Gaussian spot (T), AO 18: 2033
- Flatbed laser scanner/recorder ( $24 \times 36$ ) for lithographic platemaking (A), JOSA 66: 379
- Flat cathode-ray tube for direct viewing spot display (P), AO 13: 3A26
- Galvanometer deflection: a precision high-speed system (E), AO 15: 1437
- Generation of an arbitrary color in a nematic liquid crystal display (TE), AO 18: 3139
- Half-tone images: spatial resolution and tone reproduction (TE), JOSA 68: 416
- Head-mounted (P), AO 17: 327
- Head-up display system for pilots (P), AO 18: 3947
- Helmet-mounted display utilizing a conic visor and tilted projection components (A), JOSA 64: 1358
- 360° hologram displays for educational use (A), JOSA 64: 1396
- Hologram writer using a plasma display panel (E), AO 13: 819
- Holographic, color, wide angle, infinity optics display (A), JOSA 69: 1415
- Holographic readout system (P), AO 15: 1345
- Image recording and display by embossable surface-relief structures (A), JOSA 66: 381
- Image recording and zero-order read-out using surface-relief gratings (A), JOSA 67: 1374
- Improved display permitting better viewing at wide angles (P), AO 18: 3220
- Integrated measure of image quality for electronic displays (A), JOSA 67: 1411
- Large-scale laser display systems for commercial applications using path-controlled galvanometers (A), JOSA 66: 381
- Laser addressed display (P), AO 18: 3892
- Laser imaging device (P), AO 15: 582
- Light amplification device (P), AO 18: 3818
- Light-emitting display device (P), AO 18: 3241
- Liquid crystal cells (P), AO 15: 1346
- Liquid crystal devices (P), AO 15: 2609

- Liquid crystal devices and systems for ultrasonic imaging (P), AO 13: 3A26
- Liquid crystal display (P), AO 16: 2788
- Liquid crystal display (P), AO 16: 2789
- Liquid crystal display assembly (P), AO 15: 2608
- Liquid crystal display assembly (P), AO 16: 2789
- Liquid crystal display containing segmented source of backlighting (P), AO 15: 1360
- Liquid crystal display device (P), AO 15: 585
- Liquid crystal display device (P), AO 16: 2788
- Liquid crystal display device (P), AO 17: 1472
- Liquid crystal display device (P), AO 17: 1475
- Liquid crystal display devices (P), AO 15: 585
- Liquid crystal display devices (P), AO 15: 1346
- Liquid crystal display devices (P), AO 15: 2609
- Liquid crystal display device with enhanced contrast (P), AO 17: 1471
- Liquid crystal display element (P), AO 13: 2A26
- Liquid-crystal display with polarizer (P), AO 17: 1476
- Liquid crystal electrooptical device (P), AO 16: 2788
- Liquid crystal imaging system (P), AO 13: 2A26
- Liquid crystal imaging system (P), AO 16: 2788
- Liquid crystal wedge compensator for display thickness measurement (ET) (L), AO 14: 2339
- Multilayer 3-D display adapter (E) (L), AO 17: 3695
- New display technologies, short course, George Washington Univ., 9-13 Sep 1974 (N), JOSA 64: 898
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- Optical display system with improved spectral efficiency (P), AO 18: 259
- Optical effects of adsorption of dyes on pigment used in electrophoretic image displays (ET), AO 18: 3332
- Optical simulator with a holographic component (A), JOSA 67: 1374
- Optical subtraction of images in real time (P), AO 18: A115
- Optical system for effecting indication with a finder in a single lens reflex camera (P), AO 15: 2948
- Optical system for the display of visual images (P), AO 16: 280
- Optical system to reduce image to lens distance by polarization control (P), AO 13: 2437
- Photoactivated twisted nematic device (E) (L), AO 13: 1752
- Product guide display devices (N), AO 17: 2654
- Skylab simulator visual displays and training for joint observing programs (T), AO 16: 950
- Society for Information Display, international symposium and exhibition, Washington D.C., 22-24 Apr 1975 (M), Reported by Biberman, Lucien M., AO 14: 2026
- Society for Information Display, international symposium and exhibition, Washington D.C., 22-24 Apr 1975: comments on the report by L. M. Biberman (M), Reported by Cohen, Roger W., AO 14: 2788
- Society for Information Display, international symposium and exhibition, Washington D.C., 22-24 Apr 1975: reply to comments on the report by L. M. Biberman (M), Reported by Biberman, Lucien M., AO 14: 2788
- Society for Information Display, international symposium, Beverly Hills, 4-6 May 1976 (M), Reported by Channin, D. J., AO 15: 2290
- Solid-state ferroelectric display device (P), AO 15: 584
- Sound to light converter (P), AO 18: A114
- Speckle elimination by spatial-coherence reduction in projection displays (A), JOSA 64: 1401
- Speckle noise in displays (TE), JOSA 66: 1282
- Stereoscopic approach to 3-D display using computer-generated holograms (T), AO 15: 2722
- Stereoscopic approach to 3-D display using computer-generated holograms: comment (TE) (L), AO 16: 2034
- Symposium, San Diego, 21-23 May 1974 (N), AO 13: 285
- System for use in aircraft to display symbols and sensor video (P), AO 16: 12



- Telecopier 200 facsimile device (A), JOSA 66: 379
- Three-dimensional television (P), AO 16: 280
- Visual aberrations and observer performance with biocular magnifiers (A), JOSA 67: 1373
- Visual display of unrecognizable characters in optical character recognition machines (P), AO 15: 583
- ZAPS—a new point-of-interest projection system (A), JOSA 67: 1374

## Doppler effect

- See also Velocimetry, laser Doppler
- Doppler effect in interferometry (A), JOSA 68: 1390
- Electromagnetic field near focus as seen by a moving particle (T), JOSA 64: 934
- Far-field speckle and Doppler shifts for rough laser-illuminated rotating cylinders (T) (L), AO 18: 755
- Holographic Doppler imaging of rotating objects (TE), AO 14: 134
- Laser Applications to Atmospheric Sciences: a Bibliography: NASA CR 2536. By Franklin S. Harris, Jr. (B), Reviewed by Silverman, Shirleigh, AO 15: 847
- Optical system for laser Doppler homodyne detection (P), AO 16: 2789

## Draper, John William

- Draper, John William, 1811–1882 photographic scientist, AO 15: 1726

## Dysprosium

- Far-infrared spectra of dysprosium and terbium iron garnet (E), JOSA 64: 880
- Hyperfine-structure and isotope-shift measurements on  $\text{Dy } ^1\lambda 5988.562$  using high-resolution laser spectroscopy and an atomic beam (E), JOSA 67: 747
- Isotope shifts in the arc spectra of dysprosium, erbium, and ytterbium (ET), JOSA 66: 585
- Lifetime measurements for excited states of rare-earth atoms using pulse modulation of a cw dye-laser beam (E), JOSA 69: 984
- Optical properties of Gd, Dy, and Tb (E), JOSA 64: 1332

## Echelles

- See Gratings

## Eclipses

- Observations of eclipse shadow bands and related phenomena (E) (L), AO 18: 3538
- Sky brightness during the 26 February 1979 eclipse (TE) (L), AO 18: 2362
- Sky radiance during a total solar eclipse: a theoretical model (T), AO 17: 272

## Editor's page

- See also From the Editor
- Adaptive optics topical issue, JOSA 67: 422
- Changing the guard (N), JOSA 66: 86
- Congressional fellowship experience (N), JOSA 68: 288
- Copyright law (N), JOSA 68: 148
- Editor's acknowledgments, JOSA 69: 209
- Editors, Goodman, Joseph W.—New JOSA Editor, JOSA 68: 1016
- Editors, JOSA, David L. Macadam retirement (N), JOSA 65: 1533
- Editors, New JOSA editor, Douglas C. Sinclair (N), JOSA 65: 752
- Editor's page (N), JOSA 65: 1534
- Editor's page discussions over twelve years (N), JOSA 65: 864
- Format for typewritten references (N), JOSA 66: 514
- Hardy, Arthur Cobb, JOSA 67: 1710
- JOSA reviewing policies (N), JOSA 67: 578
- Lasers, free enterprise, and government regulation (N), JOSA 66: 1144
- Laser speckle topical issue, JOSA 66: 1316
- Microfiche for scientists (N), JOSA 66: 640
- OSA congressional fellowship (N), JOSA 66: 404
- Page charges and the postal service (N), JOSA 67: 716
- References to journal articles (N), JOSA 67: 268
- Salute to manuscript readers, JOSA 65: 1392
- Statement on energy conservation and lighting by International Commission on Illumination (CIE) (N), JOSA 65: 1088
- Symposium on electrophysiological techniques for studying visual function in man (N), JOSA 67: 1606

- Why go to a meeting? (N), JOSA 66: 984
- Writing for the reader (N), JOSA 66: 300

## Education

- See also Research, Science
- Applied optics curriculum at Georgia Tech (L), AO 17: 501
- Center for Laser Studies established, Univ. Southern California (N), AO 13: 3A14
- Community and Junior College Career Staffing Center (N), JOSA 65: 1159
- Consumers' guide to instructional scientific equipment (N), AO 14: 1038
- Continuing education materials request (N), AO 13: 1970
- Educators Guide to Free Science Materials. Edited by M. H. Saterstrom (B), Reviewed by Howard, John N., AO 17: 159
- Electro-optic device for improving reading ability (P), AO 13: 1727
- Expenditures for Scientific and Engineering Activities at Universities and Colleges, Federal Year 1973. Surveys of Science Resources Series NSF 75-316, National Science Foundation (B), Reviewed by Silverman, Shirleigh, AO 15: 846
- Federal Support to Universities, Colleges, and Selected Nonprofit Institutions, Fiscal Year 1974. NSF-76-305 (B), Reviewed by Silverman, Shirleigh, AO 15: 2295
- Graduate programs in lasers and optics at Stanford University (N), AO 17: 3336
- Graduate science and engineering enrollment leveled off in 1976 (N), AO 16: 1365
- Great Foucault pendulum caper (N), AO 16: 783
- Guide for Establishing Baccalaureate Technological Programs (N), AO 17: 754
- Laser-Electrooptic Technology Curriculum (N), AO 16: 1489
- Manpower Resources for Scientific Activities at Universities and Colleges January 1975; NSF Report 76-311 (B), Reviewed by Silverman, Shirleigh, AO 16: 796
- Manpower Resources for Scientific Activities at Universities and Colleges, January 1976 (B), Reviewed by Silverman, Shirleigh, AO 16: 2600
- Mexican Americans American Indians Science and NSF (N), AO 18: A163
- National Science Foundation: "An Index to Undergraduate Science, College Science Improvement Programs COSIP A & B Report" (N), AO 13: 2822
- National Science Foundation, new guide for the preparation of proposals (N), AO 13: 2941
- New balance in universities: a shift from research to teaching discerned (L), AO 17: 1312
- NSF national needs graduate traineeships (N), AO 15: 2997
- Optical teaching aid for spectral composition of light (P), AO 17: 1474
- Optics at Imperial College, London (N), AO 18: 500
- Optics textbooks (N), AO 16: 2780
- Personnel mobility program established at NSF (N), AO 13: 1416
- Publication: academia in transition (N), AO 18: 1304
- Remote sensing of coastal environment, graduate study program, Univ. Delaware (N), AO 13: 1092
- Research opportunities for small college faculty (N), AO 13: 496
- Staff positions at 900 community and junior colleges (N), AO 17: 3873
- Student use of computers, financial support for documentation (N), AO 13: 1052
- Using a spectrophotometer film (N), AO 17: 3237

## Einstein, Albert

- See also Relativity
- Celebrating Einstein (L), AO 18: 1300
- Einstein Centennial: An opportunity for increasing public awareness (N), AO 18: 774

## Einsteinium

- Hyperfine structure in the  $^{253}\text{Es}$  emission spectrum, III: Extension of the line list, levels of Es I and Es II, nuclear magnetic-dipole and quadrupole moments (ET), JOSA 64: 77

## Electromagnetic waves

- Apparent size of reflecting polygonal obstacles of the order of one wavelength (TE), JOSA 69: 950

- Attenuated total reflection angular spectra and associated resonant electromagnetic oscillations of a dielectric slab bounded by Ag films (ET), AO 17: 3314
- Beam displacement of a reflected beam at an interface between an inhomogeneous medium and free space (T), JOSA 68: 1592
- Beam modes in complex lenslike media and resonators (T), JOSA 66: 1373
- Classical electromagnetic zero-point radiation (A), JOSA 65: 1206
- Classical Field Theory. By D. E. Soper (B), Reviewed by Feldman, Gordon, AO 16: 537
- Comparisons between variational, perturbational, and exact solutions for scattering from a random rough-surface model (T), JOSA 68: 768
- Computing the propagation characteristics of radially stratified fibers: an efficient method (T), AO 16: 483
- Control of pit geometry on video disks (ET), AO 18: 3198
- Depolarization term of the wave equation (A), JOSA 68: 1369
- Depolarization term of the wave equation (T) (L), JOSA 69: 1313
- Diffraction efficiency of evanescent-wave holograms. I. TE polarization (T), JOSA 68: 795
- Diffraction efficiency of evanescent-wave holograms. II. TM polarization (T), JOSA 68: 802
- Directional change of beams undergoing partial reflection (T) (L), JOSA 67: 703
- Direct relation between Fresnel's interface reflection coefficients for the parallel and perpendicular polarizations (T), JOSA 69: 1007
- Displacement of an electromagnetic beam upon reflection from a dielectric slab, JOSA 68: 319
- Distribution of absorption centers within irradiated spheres (T), JOSA 69: 55
- Double phase-matching function (T) (L), JOSA 68: 1780
- Elastic scattering of evanescent electromagnetic waves (T), AO 18: 2679
- Electric field intensity within optical coatings and substrates (A), JOSA 68: 1418
- Electric fields in multilayers at oblique incidence (T), AO 15: 2339
- Electrodynamics of nonlocal media (A), JOSA 65: 1224
- Electromagnetic field components: their measurement using linear electrooptic and magnetooptic effects (TE), AO 14: 2712
- Electromagnetic field in the caustic region of a wide-angle spherical antenna under oblique parallel-beam illumination (A), JOSA 65: 1225
- Electromagnetic field scattering by a triangular aperture (T), AO 18: 823
- Electromagnetic propagation in birefringent layered media (T), JOSA 69: 742
- Electromagnetic propagation in periodic stratified media. I. General theory (T), JOSA 67: 423
- Electromagnetic propagation in periodic stratified media. II. Birefringence, phase matching, and x-ray lasers (T), JOSA 67: 438
- Electromagnetic scattering by a cluster of spheres (T), AO 18: 116
- Electromagnetic Scattering. Edited by Piergiorgio L. E. Uslenghi (B), Reviewed by Welford, Walter T., AO 18: 1171
- Electromagnetic scattering from active objects: invisible scatterers (T), AO 17: 235
- Electromagnetic Vibrations, Waves and Radiation. By G. Bekefi and A. Barrett (B), Reviewed by Claus, Albert C., AO 17: 2127
- Electromagnetic waves in two-dimensionally inhomogeneous media (T), JOSA 68: 1748
- Energetic interaction between two light sources, AO 15: A135
- Energy flow in band-limited electromagnetic fields (A), JOSA 67: 1437
- Equivalence of the Ewald-Oseen extinction theorem as a nonlocal boundary-value problem with Maxwell's equations and boundary conditions (T), JOSA 68: 602
- Evanescent waves (R), JOSA 66: 751
- Exact expressions for scalar modal eigenvalues and group delays in power-law optical fibers (T), JOSA 69: 1599
- Excitation of a spherical resonant medium by an external field (T), JOSA 69: 882
- Excitation of surface electromagnetic waves on water (ET), AO 17: 3459



- Exponential-plane-wave representation of scalar fields in a half-space (A), JOSA 67: 1437
- Filtering and extending the spectra of antenna nearfields reconstructed from measurement on a spherical surface (A), JOSA 66: 634
- Floquet and coupled-waves analysis of higher-order Bragg coupling in a periodic medium (T), JOSA 66: 674
- Formal relativistic quantum theory of fourth-dimensional wave propagation (A), JOSA 69: 1474
- Fourier representation of the energy distribution of an electromagnetic field scattered by spherical particles (T), AO 14: 2486
- Free-space propagation of an aberrating Gaussian beam (T), AO 17: 2516
- Gaussian beam modes by multipoles with complex source points (T) (L), JOSA 67: 699
- Generalized spot size for a higher-order beam mode (T), JOSA 69: 578
- Generation of time-reversed wave fronts by nonlinear refraction (T), JOSA 67: 1
- Generation of time-reversed wave fronts by nonlinear refraction (errata), JOSA 68: 1155
- Geometrical Theory of Diffraction for Electromagnetic Waves. By Graeme L. James (B), Reviewed by Felsen, Leopold B., AO 17: 498
- Goos-Haenchen shift (A), JOSA 66: 1135
- Inhomogeneous electromagnetic waves appearing at an ocean-air interface (A), JOSA 68: 1406
- Interactions Between Electromagnetic Fields and Matter. By Karl-Heinz Steiner (B), Reviewed by Crewe, Albert V., AO 14: 788
- Laws of optics at high irradiance. I. Steady-state theory of a saturable slab (T), JOSA 67: 453
- Light emission by electric and magnetic dipoles close to a dielectric interface (A), JOSA 68: 1406
- Light emission by magnetic and electric dipoles close to a plane interface. I. Total radiated power (T), JOSA 67: 1607
- Light emission by magnetic and electric dipoles close to a plane interface. I. Total radiated power (errata), JOSA 68: 1155
- Light emission by magnetic and electric dipoles close to a plane dielectric interface. II. Radiation patterns of perpendicular oriented dipoles (T), JOSA 67: 1615
- Light emission by magnetic and electric dipoles close to a plane dielectric interface. II. Radiation pattern of perpendicular oriented dipoles (errata), JOSA 68: 1155
- Light propagation in twisted anisotropic media: application to photoreceptors (T), JOSA 68: 149
- Light scattering by polydisperse suspensions of inhomogeneous nonspherical particles (T), AO 18: 2672
- Light scattering in converging beams (T), OL 1: 138
- Light waves guided by a single curved surface: comments (T) (L), AO 17: 1678
- Longitudinal and transverse displacements of a bounded microwave beam at total internal reflection (TE), JOSA 67: 1307
- Low V-number optical fibers: secondary maxima in the far-field radiation pattern (E), JOSA 69: 1587
- Microwave diffraction by a conducting object for various shapes (E), JOSA 67: 1566
- Mie theory calculations: new progress, with emphasis on particle sizing (T), AO 18: 3489
- Modern Topics in Electromagnetics and Antennas, 1976 Summer Institute at Technical University, Eindhoven. By H. Bach, P. J. B. Clarricoats, J. B. Davies, A. T. de Hoop, L. B. Felsen, R. Mettra, H. G. Unger and J. von Bladel (B), Reviewed by Arnaud, Jacques A., JOSA 68: 1289
- Near-field diffraction on the axes of disks (E), JOSA 67: 1561
- Near-field impulse response examination of backscattering from dielectric spheres (T), AO 14: 2492
- Nonunitarity of the light scattering approximations (T) (L), AO 18: 1123
- Numerical study of the scattered electromagnetic field inside a hollow dielectric cylinder. 1: Scattering of a single beam (T), AO 14: 1516
- Numerical study of scattered electromagnetic field inside a hollow dielectric cylinder. 2: Scattering of two phase-matched beams (T), AO 14: 1524
- Observation of dipole forces exerted on atoms by intensity gradients of resonant light (A), JOSA 68: 1623
- Off-state transmission of a twisted nematic liquid-crystal layer. Some comments (T) (L), JOSA 69: 913
- Ondes Electromagnetiques. 1: Propagation libre; 2: Propagation guidee. By M. Jougnet (B), Reviewed by Tobin, Marvin C., AO 18: 3197
- Open beam waveguides: theory (T), AO 14: 1565
- Optical and electrical pulse sampler (N), AO 15: 2098
- Optical pulse propagation in temporally dispersive Lorentz media (A), JOSA 65: 1224
- Optics of Guided Waves, Colloquium, Paris, 8-11 Apr 1975 (M), Reported by Ostrowsky, D. B., AO 14: 1473
- Optimization of prism coupling efficiency for surface electromagnetic wave excitation in the infrared (E), AO 16: 1549
- Perturbation analysis of nonuniform almost-periodic Bragg reflectors (T), JOSA 66: 1359
- Phase retrieval from modulus data (T), JOSA 66: 961
- Polarizability of the metallic grains of a two-dimensional film in interaction with the electric field on an electromagnetic wave (TE), JOSA 68: 1019
- Polydisperse-particle-size-distribution function determined from intensity profile of angularly scattered light (T), AO 18: 3494
- Progress in Optics, Vol. 15. Edited by Emil Wolf (B), Reviewed by Franken, Peter; Gaskill, Jack D.; Sargent, Murray, III; Seraphin, Bernhard O.; Shoemaker, Richard L.; Wyant, James C., AO 18: 3078
- Progress in Optics, Vol. 15. Edited by Emil Wolf (B), Reviewed by Young, Matt, JOSA 69: 371
- Properties of the shadow cast by a half-screen when illuminated by a Gaussian beam (T), JOSA 69: 1503
- Radiation of electromagnetic fields in uniaxially anisotropic media (T), JOSA 66: 780
- Radiation of electromagnetic fields in biaxially anisotropic media (T), JOSA 68: 502
- Real-time optical phase measurement (A), JOSA 68: 1414
- Reflection and refraction of an arbitrary electromagnetic wave at a plane interface (T), JOSA 66: 955
- Reflection and refraction of an arbitrary wave at a plane interface separating two uniaxial crystals (T), JOSA 67: 683
- Reflection of an electromagnetic plane wave with 0 or  $\pi$  phase shift at the surface of an absorbing medium (T) (L), JOSA 69: 487
- Relations between amplitude reflectances and phase shifts of the  $p$  and  $s$  polarizations when electromagnetic radiation strikes interfaces between transparent media (T) (L), AO 18: 1884
- Representation of a diffracted wave field by the band-limited angular spectrum (T), JOSA 68: 1579
- Representation of image fields based on partial wave analysis (A), JOSA 67: 1437
- Resonances in electromagnetic scattering by objects with negative absorption (T), AO 18: 1180
- Scattering by inhomogeneous nonspherical objects (T), AO 18: 1190
- Scattering from an eccentrically stratified dielectric sphere (T), JOSA 69: 1359
- Scattering in spherically symmetric media (T), AO 18: 2307
- Scattering of an electromagnetic wave from dielectric bodies of irregular shape (T), JOSA 69: 756
- Scattering of electromagnetic beams by spherical objects (T), JOSA 68: 763
- Scattering of focused beams by tenuous particles (T), AO 18: 294
- Second-order coupled-mode equations for spatially periodic media (T), JOSA 67: 825
- Shadowing an inhomogeneous plane wave by an edge (T), JOSA 68: 983
- Shadowing an inhomogeneous plane wave by an edge (errata), JOSA 68: 1787
- Simultaneous forward and backward integration for standing waves in a resonator (T) (L), AO 18: 2730
- Solving for electromagnetic fields in uniaxial media by scaling fields in isotropic media (T) (L), JOSA 66: 974
- Spin angular momentum of a field interacting with a plane interface (A), JOSA 69: 1485
- Spinor representation of electromagnetic fields (T) (L), JOSA 66: 865
- Statistical analysis of Bragg reflectors (T), JOSA 68: 18
- Stimulated Cerenkov radiation from atmospheric pressure gases (A), JOSA 68: 1629
- Surface electromagnetic wave coupling efficiencies for several excitation techniques (E), AO 15: 3066
- Surface electromagnetic waves on metals and polar insulators: some comments (T), AO 13: 2378
- Surface polariton in the ATR angular spectra of a thin iron film bounded by dielectric layers (TE), JOSA 68: 1325
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- Test for the nonexistence of photons (T), JOSA 66: 1421
- "Test for the nonexistence of photons" and "photoelectric counting measurements as a test for the existence of photons" (T) (L), JOSA 69: 1309
- Theory of Bragg fiber (T), JOSA 68: 1196
- Theory of diffraction efficiency and anomalies of shallow metal gratings of finite conductivity (T), JOSA 69: 333
- Theory of Electromagnetic Waves. By J. A. Kong (B), Reviewed by Silver, Samuel, AO 15: A15
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- Theory of light reflection by cholesteric liquid crystals possessing a pitch gradient (T), JOSA 69: 1017
- Theory of light reflection by cholesteric liquid crystals possessing a tilted structure (T), JOSA 69: 1509
- Theory of time-dependent propagation in multimode lightguides (T), JOSA 67: 1300
- Time-dependent physical spectrum of light (T), JOSA 67: 1252
- TM polarized electromagnetic scattering from fin-corrugated periodic surfaces (TE), JOSA 66: 1363
- Transmission and reflection of a Gaussian beam at oblique incidence on a dielectric slab (T), JOSA 67: 819
- Two-dimensional optics with surface electromagnetic waves (E), AO 14: 1322
- Two-dimensional theory of volume holograms with electric polarization in the plane of the grating (T), JOSA 69: 491
- Unified approach to the Goos-Haenchen shift (A), JOSA 66: 1135
- Uniqueness question in the problem of phase retrieval from intensity measurements (T) (L), JOSA 68: 1352
- Wavars: nonlinear physical models for photons and free particles (A), JOSA 66: 1076
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- Wave propagation in optical systems with large apertures (T), JOSA 68: 485

## Electronics

- See also Electrooptics
- Electrochemical Society, 143rd meeting, electronics division, Chicago, 13-18 May 1973 (M), Reported by Huff, Howard R., AO 13: 227
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- Laser applications in microelectronics (A), JOSA 66: 850
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## Electron microscopy

- Advances in Optical and Electron Microscopy, Volume 6. Edited by R. Barer and V. E. Coslett (B), Reviewed by Skillman, David C., JOSA 67: 574
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- Superconducting Electron-Optic Devices. By I. Dietrich (B), Reviewed by Montgomery, D. Bruce, AO 16: 2779
- Synthetic-aperture electron microscopy (T) (L), JOSA 66: 147

## Electron optics

- Diffraction and Imaging Techniques in Material Science. Edited by S. Amelinckx, R. Gevers, and J. Van Landuyt (B), Reviewed by Hawkes, P. W., AO 18: 1599
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- Resonance in Electron Impact on Atoms and Diatomic Molecules. George J. Schulz (B) (N), AO 14: 1417

## Electrons

- Echo effects in the free-electron laser (A), JOSA 68: 628
- Electron density measurement in the HCN laser using Faraday mode splitting technique (E), AO 13: 968
- Interaction of a uniformly moving electron with a spatially dispersive medium (A), JOSA 64: 527
- Laser interaction and compression experiments at Limeil (A), JOSA 68: 658
- Measurement of energetic electrons generated in multiphoton ionization of helium by intense picosecond laser pulses (A), JOSA 68: 658
- Measurement of energy and angular distributions of extreme ultraviolet photoelectrons (E), AO 13: 438
- Pauli Lectures on Physics. Volume 2: Optics and the Theory of Electrons. By Wolfgang Pauli (B), Reviewed by Kock, Winston E., AO 17: 496
- Polarized Electrons. By Joachim Kessler (B), Reviewed by Vernier, P. J., AO 16: 1774
- Review of experimental data from the Stanford free-electron laser experiment (A), JOSA 68: 628
- Theory of longitudinal relativistic free-electron laser (A), JOSA 68: 628
- Theory of the free-electron laser (A), JOSA 68: 628

## Electron spin relaxation

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## Electron spin resonance (ESR)

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## Electrooptics

- Advances in electro-optical TIR diffraction modulator/deflectors as industrial devices (A), JOSA 66: 385
- Analog-to-digital converter: a new type using an electrooptic light modulator (E), AO 18: 3148
- Analysis and modeling of dust obscuration effects on electro-optical systems (A), JOSA 69: 1398
- Birefringence measurement using a photoelastic modulator (E), AO 18: 3996
- British Electro-Optics, Proceedings of a Conference at the British Export Marketing Centre, Tokyo in December 1975. Edited by L. R. Baker (B), Reviewed by Freeman, Michael H., JOSA 68: 1648
- Compound optical crosspoint with low crosstalk (E), AO 16: 3223
- Computational approach for predicting the optical behavior of multimode fiber optic switching devices (TE), JOSA 69: 443
- Concurrent display of multiple functions (T) (L), AO 14: 1485
- Crystals of (K, Rb, Tl, NH<sub>4</sub>) TiO(P, As)O<sub>4</sub> and their use in electrooptic devices (P), AO 15: 2947
- Current-controlled phase retardation plate (E), AO 14: 1217
- Designing large-aperture Pockels' cells (A), JOSA 66: 388
- Dielectric and optical properties of electron-beam-addressed KD<sub>2</sub>PO<sub>4</sub> (E), JOSA 64: 1575
- Dipolar electro-optic shutter (P), AO 14: 1746
- Direct measurement of the rotational relaxation kinetics of the plastic crystal-succinonitrile using picosecond spectroscopy (A), JOSA 68: 678
- Display device (P), AO 18: 3219
- Display devices in image processing, AO 14: 2971
- Effective electro-optic coefficient of multilayer dielectric waveguides: modulation enhancement (T), JOSA 66: 30
- Efficient optical waveguide switch/amplitude modulator (E), OL 2: 45
- Electrical control in photoferroelectric materials for optical storage (E), AO 13: 784
- Electrical optical modulator (P), AO 15: 1346
- Electrochromic device (P), AO 17: 2262
- Electromagnetic field components: their measurement using linear electrooptic and magneto-optic effects (TE), AO 14: 2712
- Electrooptical amplitude modulator (P), AO 15: 2948
- Electrooptical array processor for complex signals (E), AO 17: 2952
- Electro-optical cell (P), AO 15: 1347
- Electro-optical cell (P), AO 17: 1469
- Electrooptical detector protection device (P), AO 18: 3958
- Electrooptical focus and alignment (L), AO 14: 1051
- Electro-optical information conversion system using fiber optics (P), AO 13: 2177
- Electro-optical light-modulation cell utilizing a nematogenic material which exhibits the Kerr effect at isotropic temperatures (P), AO 13: 2440
- Electro-optically induced transmission (A), JOSA 69: 1483
- Electrooptically switched multipass system for laser scattering diagnostics (E), AO 16: 2403
- Electrooptical modulation (P), AO 16: 2788
- Electro-optical performance in degraded atmosphere (A), JOSA 66: 389
- Electro-optical switching in thin film waveguides for a computer communication bus (A), JOSA 68: 1360
- Electro-optic analog/digital converter (P), AO 17: 2262
- Electrooptic Bragg-deflection modulators: theoretical and experimental studies (TE), AO 15: 1565
- Electro-optic cell with transverse electric field (P), AO 17: 2261
- Electrooptic device (P), AO 16: 2789
- Electro-optic display device (P), AO 13: 2440
- Electro-optic display devices and methods (P), AO 17: 1472
- Electro-optic imaging system (P), AO 15: 2608
- Electro-optic multiplexer for large-numerical-aperture, low-loss fibers (E), OL 1: 35
- Electrooptic polarization switch for multimode fibers (T), AO 16: 119
- Electro-optic quadrupole deflector (P), AO 13: 4A26
- Electro-Optics Conference, 2nd European, proceedings (B) (N), AO 14: 1199
- Electro-Optics—Laser International 76 U.K. Conference Proceedings. Edited by H. G. Jerrard (B), Reviewed by Silverman, Shirleigh, AO 16: 2340
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- Electrooptic streak camera: theoretical analysis (T), AO 18: 1025
- Electrooptic switching response in cubic phase PLZT ceramic materials (ET) (L), AO 15: 828
- Electrooptic system with expanded power range (P), AO 15: 2945
- Electro-optic waveguide beam deflector (P), AO 15: 1888
- Empirical expression for nonlinear refractive indices of simple tetragonal and hexagonal crystals (A), JOSA 68: 643
- Fail-safe fiber-optics data bus using active multimode mirror terminals (E), AO 17: 3822
- General solution for the electro-optic effect (T), JOSA 65: 1144
- Guided wave electrooptic devices for logic and computation (T), AO 17: 1493
- Holographic systems for recording and reading out refractive index gratings within the body of a photosensitive electrooptical material (P), AO 15: 1887
- Integrated electrooptic laser deflector (T) (L), AO 13: 1041
- Interferometric deflection of laser beams (A), JOSA 65: 1166
- Interferometric measurement of the transverse Pockels effect in KDP crystal (A), JOSA 68: 1396
- Interlaced multiplexing system (P), AO 13: 6A26
- Introduction to Electro-optic Devices. By Ivan P. Kaminow (B), Reviewed by Channin, D. J., AO 14: A45
- Kerr cell light modulator with crossed fields (E), AO 14: 3007
- Laser-Electrooptic Technology Curriculum (N), AO 16: 1489
- Laser-induced electrostriction in neutral gases monitored by nonlinear Rayleigh scattering (A), JOSA 68: 644



- Laser 77: Opto-Electronics; Conference Proceedings. Edited by W. Waidelich (B), Reviewed by Baker, L. R., AO 17: 2864
- Lasers and electro-optics technical group on UV lasers and their applications (A), JOSA 66: 1139
- Light amplification device (P), AO 18: 3818
- Light beam deflector performance: a comparative analysis (T), AO 13: 875
- Light modulation by electrochromism (ET), AO 15: 2812
- Light valve (P), AO 18: 260
- Magnetic field-modulated, ultraviolet-resonance absorption NO analyzer (E) (L), AO 13: 239
- Minimization of the prime power consumption of a coupling-modulated gas laser transmitter (T), AO 13: 2489
- Mixed-semiconductor evaporated films as filters with very sharp cutoff and some possible applications in electrooptics (E) (L), AO 17: 164
- Modulation-sensitivity enhancement in electro-optic slab waveguides (TE), JOSA 65: 797
- Molecular Electro-Optics. Part 2: Applications to Biopolymers. Edited by C. T. O'Konski (B), Reviewed by Krimm, S., AO 18: 413
- Molecular Electro-Optics. Part 1: Theory and Methods. Edited by C. T. O'Konski (B), Reviewed by Holzwarth, G., AO 16: 2778
- Molecular Electro-Optics Part 1, Theory and Methods Part 2, Applications to Biopolymers Electro-Optics Series, Volume 1. Edited by Chester T. O'Konski (B), Reviewed by Wiener-Avneer, Eliezer, JOSA 69: 920
- Multilayer narrowband electro-optical tunable filter (A), JOSA 68: 1449
- Multimode optical multiplexing with low-voltage drivers (ET), OL 3: 136
- Nematic liquid crystal digital light deflector (ET), AO 13: 1802
- Nonemissive Electrooptic Displays. Edited by A. R. Kmetz and F. K. Von Willisen (B), Reviewed by Green, Mino, AO 16: 2778
- Nonlinear electro-optic Fabry-Perot devices using reflected-light feedback (ET), OL 2: 55
- Nonlinearity of effective index versus bulk index in multilayer dielectric waveguides: Large incremental effective index sensitivity (T), JOSA 67: 1187
- Nonlinear longitudinal KTN modulator (ET), AO 14: 343
- Optical beam shaping devices using polarization effects (ET), AO 13: 1629
- Optical bistability without mirrors (A), JOSA 68: 642
- Optical field distribution in a waveguide loaded with high refractive-index film; modulation efficiency improvement in a planar-type modulator (T), AO 15: 455
- Optical mixing on the BaTiO<sub>3</sub> soft *E* polariton mode (A), JOSA 68: 682
- Optical sampling transient analyzer system (E), AO 15: 1404
- Optical sensitization and development of liquid crystalline devices (P), AO 16: 2788
- Optoelectronics: Theory and Practice. Edited by A. Chappell (B), Reviewed by Aitken, G. J. M., AO 17: 3853
- Passive cryogenic cooling of electrooptics with a heat pipe/radiator (R), AO 13: 2109
- Perception of displayed information, course, Inst. for Defense Analysis, 3-6 Jun 1974 (N), AO 13: 941
- Phase-conjugate wavefront generation via real-time holography in Bi<sub>12</sub>SiO<sub>20</sub> crystals (E), OL 4: 21
- Photoactivated twisted nematic device (E) (L), AO 13: 1752
- Photoinduced polarization properties of LiIO<sub>3</sub> single crystal (E), AO 14: 2978
- Photonics. Edited by M. Balkanski and P. Lallemand (B), Reviewed by Condell, W. J., Jr., AO 14: 2798
- Planar optical coupler for a data bus system with single multimode fibers (ET), AO 16: 2195
- PLZT electrooptic shutters: applications (E), AO 14: 1866
- Polarization eigenstate measurement scheme for the discriminations of concurrent optical activity and electric-field-induced birefringence (A), JOSA 68: 1449
- Polarization properties of volume holograms in Bi<sub>12</sub>SiO<sub>20</sub> crystals and applications (ET) (L), AO 17: 1851
- Progress in Electro-Optics: A Review of Recent Developments. Edited by Ezio Camatini (B), Reviewed by Biberman, Lucien M., JOSA 66: 508
- Progress in Electro-Optics: Reviews of Recent Developments. Edited by Ezio Camatini (B), Reviewed by Waynant, Ronald W., AO 15: 1368
- Quantitative calculations of the ionic contribution to the electro-optical effect (A), JOSA 68: 644
- Raman-induced Kerr effect with elliptical polarization (TE), JOSA 66: 641
- RCA Electro-Optics Handbook. Second Edition. Edited by R. W. Engstrom (B), Reviewed by Howard, John N., AO 14: 246
- Real-time coherent object edge reconstruction with Bi<sub>12</sub>SiO<sub>20</sub> crystals (E) (L), AO 17: 2671
- Real-time double-exposure interferometry with Bi<sub>12</sub>SiO<sub>20</sub> crystals in transverse electrooptic configuration (E) (L), AO 16: 1807
- Reflection-type electrically controllable diffraction grating and its application to intracavity laser modulation (ET), AO 16: 1280
- Refractive-index profile and physical process determination in thick gratings in electrooptic crystals (TE), AO 15: 1947
- Rib waveguide switches with MOS electrooptic control for monolithic integrated optics in GaAs-Al<sub>x</sub>Ga<sub>1-x</sub>As (E), AO 17: 2548
- Selection of a single pulse from a mode-locked laser using avalanche transistors (E) (L), AO 14: 1758
- Seminar notebooks & audio cassette packages (N), AO 17: 3244
- Solid-state ferroelectric display device (P), AO 15: 584
- Stabilization of the output from an electro-optical modulator in a lens waveguide communication system (A), JOSA 67: 1445
- Storage-type electrooptical modulator (P), AO 15: 2945
- Streaking of a light beam by an electro-optically induced traveling lens (E), OL 4: 49
- System model analysis of electro-optical systems (A), JOSA 69: 1466
- Telecopier 200 facsimile device (A), JOSA 66: 379
- Theoretical model for the linear electro-optical effect of crystals (A), JOSA 69: 1476
- Theoretical resolution limitations of electro-optical spatial light modulators (A), JOSA 69: 1484
- Time average holographic interferometry with photoconductive electrooptic Bi<sub>12</sub>SiO<sub>20</sub> crystals (E) (L), AO 16: 2796
- Ultrafast electro-optical beam deflectors (A), JOSA 68: 1450
- Ultrafast pulse shaping with a traveling wave Kerr cell and picosecond rise time electrical pulses (E), AO 18: 4101
- Versatile electrooptic alignment system for field applications (ET), AO 13: 937
- Wavelength dependence of GaAs directional couplers and electrooptic switches (ET), AO 17: 2250
- World market trends in electrooptical equipment (N), AO 16: 2985

## Electrophotography

- Apparatus for making copies of multi-colored originals (P), AO 17: 1473
- Characterizing halftone noise: a technique (E), AO 17: 3999
- Color copying apparatus (P), AO 17: 1474
- Color electrophotographic imaging process (P), AO 13: 2960
- Copying apparatus (P), AO 16: 798
- Copying system (P), AO 16: 798
- Developing apparatus for electrophotographic color copying apparatus (P), AO 17: 1472
- Electrophotographic apparatus (P), AO 18: 259
- Electrophotography, 2nd international conference on, Washington, 24-27 Oct 1973 (M), Reported by Pell, Erik M., AO 13: 12
- Electrophotography Second International Conference. Edited by D. R. White (B), Reviewed by Gallo, C. F., AO 14: 2307
- Electrostatic or xerographic copying or duplicating with built-in arrangement for cutting a along a selected line or lines (P), AO 17: 1472
- Electrostatics and electrophotography sessions, IEEE/IAS annual conference, Atlanta, 29 Sep-2 Oct 1975 (M), Reported by Emerald, Robert, AO 15: 301

- Electrostatographic reproduction machines (P), AO 16: 799
- Imaging Systems: Mechanisms and Applications of Established and New Photosensitive Processes. By Kurt I. Jacobson and Ralph E. Jacobson (B), Reviewed by Tulagin, V., AO 16: 2338
- Line-profile measurement of xerographic copy (ET), AO 17: 2043
- Measuring and controlling the toner concentration in electrophotographic reproduction machines (P), AO 16: 799
- Noise on nonimage areas in electrophotography (TE), AO 13: 1053
- Photoinduced polarization properties of LiIO<sub>3</sub> single crystal (E), AO 14: 2978
- Proceedings of the 4th International Congress on Reprography and Information 1975, Hannover, Germany BRD, 13-17 Apr 1975 (N), AO 15: 939
- Reproducing apparatus and process for forming multiple copies of a document (P), AO 17: 1473
- System (P), AO 15: 583
- Transfer type electrophotographic copying apparatus (P), AO 18: 259
- Transparent electrophotographic films for optical data storage applications (E), AO 16: 1642

## Electrostatics

- New publication, J. of Electrostatics (N), AO 13: 3A17

## Ellipsometers

- Effects of detector nonlinearity on calibration and data reduction of rotating-analyzer ellipsometers (TE), JOSA 66: 94
- Modified O'Bryan ellipsometer (A), JOSA 67: 1430
- Mueller matrix ellipsometry with imperfect compensators (T), JOSA 68: 1519

## Ellipsometry

- Air-flow-birefringence measurement (E), JOSA 65: 1319
- Analysis of a novel ellipsometric technique with special advantages for infrared spectroscopy (T), JOSA 65: 25
- Analysis of elliptically polarized light with a nonideal compensator (T) (L), JOSA 65: 352
- Analysis of systematic errors in rotating-analyzer ellipsometers (T), JOSA 64: 1459
- Application of generalized ellipsometry to anisotropic crystals (T), JOSA 64: 128
- Application of generalized ellipsometry to anisotropic crystals (T) (L), JOSA 65: 461
- Application of generalized ellipsometry to anisotropic crystals (T) (L), JOSA 65: 462
- Atmospheric birefringence under wind speed gradient shear (E), JOSA 68: 471
- Autocollimation-type ellipsometer for monitoring film growth through a single window (E), AO 15: 677
- Automatic ellipsometer with high sensitivity and special advantages for infrared spectroscopy of adsorbed species (E), AO 14: 999
- Automatic measurement of the Stokes vector of light (E), AO 18: 1217
- Azimuthal alignment in ellipsometry (E) (L), AO 14: 806
- Beam deviation errors in ellipsometric measurements; an analysis (E), AO 13: 1938
- Characterization of a very thin uniaxial film on a nonabsorbing substrate by multiple wavelength ellipsometry: palmitic acid on water (E), JOSA 68: 978
- Combined reflection and transmission thin-film ellipsometry: a unified linear analysis (T), AO 14: 1652
- Constant- $\psi$  constant- $\delta$  contour maps: applications to ellipsometry and to film-substrate reflection devices (A), JOSA 69: 1439
- Design and operation of an automated, high-temperature ellipsometer, JOSA 64: 804
- Dielectric function measurements on ion-implanted metallic systems (E), JOSA 67: 1099
- Diffraction ellipsometry at microwave wavelengths, JOSA 69: 328
- Effects of component optical activity in data reduction and calibration of rotating-analyzer ellipsometers (TE), JOSA 64: 812



- Effects of surface microroughness in ellipsometry (A), JOSA 66: 1136
- Ellipsometer nulling: convergence and speed (TE), AO 15: 2568
- Ellipsometer nulling: coupling and setting uncertainty (TE), AO 18: 1019
- Ellipsometric determination of the Kerr magneto-optical effect (A), JOSA 68: 1424
- Ellipsometric function of a film-substrate system: applications to the design of reflection-type optical devices and to ellipsometry (T), JOSA 65: 252
- Ellipsometric investigation of quadratic electrooptic and electrostrictive effects with anodic niobium pentoxide films (ET), AO 14: 1316
- Ellipsometric measurement of the Kerr magnetooptic effect (E), AO 18: 813
- Ellipsometric method for separate measurements of  $n$  and  $d$  of a transparent film (TE), AO 14: 2010
- Ellipsometry and Polarized Light. By R. M. A. Azzam and N. M. Bashara (B), Reviewed by Passaglia, Elio, AO 17: 1847
- Ellipsometry at a spherical object and its application to the determination of the optical constants of mercury from the mercury-air interface (E) (L), JOSA 69: 484
- Ellipsometry of a biaxial surface (TE), JOSA 65: 542
- Ellipsometry of anisotropic thin films (T), JOSA 64: 631
- Ellipsometry of spread monomolecular layers (A), JOSA 64: 548
- Ellipsometry papers (L), JOSA 64: 1154
- Elliptic polarization represented by the Carter and Smith charts (T), AO 18: 4017
- Filmed substrate characterization by internal and external ellipsometry (A), JOSA 68: 1424
- Generalized ellipsometry based on azimuth measurements alone (T), JOSA 68: 514
- Generalized ellipsometry with a nonideal compensator (T) (L), AO 17: 3350
- High precision alignment procedure for an ellipsometer (E), AO 13: 1115
- High precision scanning ellipsometer (E), AO 14: 220
- Influence of an initial (contamination) film on the determination of film properties by ellipsometry (T) (L), JOSA 65: 611
- In process ellipsometer azimuth angle calibration (TE), AO 15: 3179
- Internal reflection ellipsometry and scattering of interfaces (A), JOSA 67: 1430
- Measurement of low-field Faraday rotation and ellipticity (E), AO 13: 1451
- 10.6  $\mu\text{m}$  Ellipsometer measurements of refractive indices of IR materials (A), JOSA 67: 252
- Modulated generalized ellipsometry (T), JOSA 66: 520
- Mueller matrix ellipsometry with imperfect compensators (T), JOSA 68: 1519
- Optical constants of bismuth tellurium sulfide from ellipsometric data (E), JOSA 64: 1591
- Optical constants of bulk and thin-film aluminum at 6328 (E), JOSA 65: 792
- Optical effects of surface roughness (A), JOSA 64: 547
- Optical heterodyning ellipsometry measurements (L), AO 15: 1378
- Optical properties of Gd, Dy, and Tb (E), JOSA 64: 1332
- Optimizing precision of rotating-analyzer ellipsometers (T), JOSA 64: 639
- Performance tests for automatic ellipsometers (E), AO 13: 2222
- Photometric ellipsometer for measuring partially polarized light (ET), JOSA 65: 1274
- Polarizer-surface-analyzer null ellipsometry for film-substrate systems (TE), JOSA 65: 1464
- Precision bounds to ellipsometer systems (T), AO 14: 1131
- Principal angle, principal azimuth, and principal-angle ellipsometry of film-substrate systems (T), JOSA 67: 1058
- Reflection ellipsometry applied to uniaxial crystals (A), JOSA 67: 1443
- Refractive indices of IR materials: 10.6- $\mu\text{m}$  ellipsometer measurements (ET), AO 16: 2949
- Rotating-compensator/analyzer fixed-analyzer ellipsometer: analysis and comparison to other automatic ellipsometers (T), JOSA 66: 949
- Rotating depolarizer ellipsometry (E), AO 16: 3012
- Sensitivity of the ellipsometric parameters to angle-of-incidence variations (T), AO 13: 1591
- Simulation of mechanical rotation by optical rotation: application to the design of a new Fourier photopolarimeter (TE), JOSA 68: 518
- Simulation of mechanical rotation by optical rotation: application to the design of a new Fourier photopolarimeter (errata), JOSA 68: 1292
- Single-element rotating-polarizer ellipsometer for film-substrate systems (L), JOSA 67: 1286
- Strain induced anisotropy in  $\text{As}_2\text{S}_3$ ,  $\text{As}_2\text{Se}_3$ , and  $\text{ZnSe}$  films on KCl substrates via 10.6- $\mu\text{m}$  and 0.6328- $\mu\text{m}$  ellipsometer measurements and 0.6328- $\mu\text{m}$  reflector measurements (TE), AO 18: 201
- Study of the optical properties of anthracene thin films by ellipsometry (TE), JOSA 65: 1269
- Teoria si practica elipsometriei. By D. Moisil and G. Moisil (B), Reviewed by Vlad, Valentin I., AO 13: 212
- Transmittance ratio of a compensator: influence of detector sensitivity (TE), AO 16: 1521
- Wavelength-scanning polarization-modulation ellipsometry: some practical considerations (ET), AO 17: 542
- ### Emission
- See also Sources
- Absorbing and radiating cylinders as boundary-value problems (T), JOSA 64: 619
- Band-limited angular-spectrum approximation to a spherical scalar wave field (T), JOSA 65: 1054
- Coherent spontaneous emission of light (A), JOSA 68: 1419
- Integration of Planck's equation by the Laguerre-Gauss quadrature method (T), JOSA 64: 1445
- Light emission by electric and magnetic dipoles close to a dielectric interface (A), JOSA 68: 1406
- Light emission by magnetic and electric dipoles close to a plane interface. I. Total radiated power (T), JOSA 67: 1607
- Light emission by magnetic and electric dipoles close to a plane interface. I. Total radiated power (errata), JOSA 68: 1155
- Light emission by magnetic and electric dipoles close to a plane dielectric interface. II. Radiation patterns of perpendicular oriented dipoles (T), JOSA 67: 1615
- Light emission by magnetic and electric dipoles close to a plane dielectric interface. II. Radiation pattern of perpendicular oriented dipoles (errata), JOSA 68: 1155
- Light emission by magnetic and electric dipoles close to a plane dielectric interface. III. Radiation patterns of dipoles with arbitrary orientation (T), JOSA 69: 1495
- Scattering-independent determination of the thermal-emission profile of a planetary atmosphere and related radiative-equilibrium considerations (T), JOSA 64: 145
- Thermal emittance study of small MgO crystals (A), JOSA 69: 1472
- Total hemispherical emissivity of W(100) (A), JOSA 69: 1472
- Transformation of statistical properties of amplified spontaneous emissions through a high-gain He-Ne 3.39  $\mu\text{m}$  laser amplifier (A), JOSA 66: 1076
- ### Emissivity
- Amorphous silicon as a selective absorber of solar energy: a spectral emissivity study (E), AO 17: 2427
- Differences in radiance: relative effects of temperature changes and emissivity changes (T), AO 14: 1937
- Emissivities of diffuse cavities: isothermal and nonisothermal cones and cylinders, JOSA 64: 339
- Emissivities of diffuse cavities. II: Isothermal and nonisothermal cylindro-cones (T), JOSA 65: 565
- Emissivities of diffuse cavities. III. Isothermal and nonisothermal double cones (T), JOSA 66: 724
- High-temperature emissivities of copper, aluminum, and silver (E), JOSA 67: 32
- Infrared emissivity of single water droplets (L), AO 18: 4065
- Infrared emittance of fibrous materials (TE), AO 18: 2622
- Infrared spectral emittance profiles of spectrally selective solar absorbing layers at elevated temperatures (TE), AO 16: 2818
- Low-temperature emissivities of copper and aluminum (E), JOSA 67: 39
- Spatial distribution of the apparent spectral emissivity of a freezing-point blackbody with Lambertian walls (A), JOSA 65: 1179
- Temperature variation of total hemispherical emissivity of stainless steel AISI 304 (E), JOSA 69: 1384
- Thermal emissivity of semitransparent and opaque films of cholesteric liquid crystal (E), AO 17: 3051
- Thermal radiation from metal surfaces (T), JOSA 68: 1505
- Total hemispherical emissivities of copper, aluminum, and silver (A), JOSA 67: 251
- Total hemispherical emissivities of copper, aluminum, and silver (E), AO 16: 2810
- Total hemispherical emissivity of tungsten (ET), JOSA 68: 1167
- Total hemispherical emissivity of copper (TE), JOSA 68: 1516
- ### Emittance
- Application of a model for the inherent contrast conditions in full-form objects (TE), AO 13: 1946
- Infrared spectral emittance profiles of spectrally selective solar absorbing layers at elevated temperatures (A), JOSA 67: 251
- Precision emittance measurement with an interferometer spectrometer (A), JOSA 64: 546
- Small absorption coefficient measurement by calorimetric and spectral emittance techniques (E) (L), AO 13: 1741
- ### Energy
- See also Solar energy
- Absorber for solar power (T), AO 13: 2430
- Applied Solar Energy. By Aden B. Meinel and Marjorie P. Meinel (B), Reviewed by Howard, John N., AO 15: A148
- Assessment of expansion of energy supply in U.S., book (N), AO 16: 1271
- CIE statement on energy conservation and lighting (N), AO 14: 2016
- Efficient Use of Energy: APS Studies on the Technical Aspects of the More Efficient Use of Energy. AIP Conference Proceedings No. 25 (B), Reviewed by Hunter, W. R., AO 17: 1157
- Electronics division symposia, 147th Electrochemical Society Meeting, Toronto, 11-16 May 1975 (M), Reported by McAllister, W. A., AO 14: 2322
- Energetic interaction between two light sources, AO 15: A135
- Energy Abstracts, new journal (N), AO 13: 1676
- Energy conservation, using remote thermal scanning (N), AO 18: 2601
- Energy law in an interferometer by Guenter Schulz (N), AO 15: A89
- Energy law in an interferometer: clues for the resolution of the paradox (N), AO 15: 1367
- Energy transfer from an excited dye molecule to the surface plasmons of an adjacent metal (ET), OL 4: 236
- Establishment of a Solar Energy Research Institute (B), Reviewed by Howard, John N., AO 15: A148
- Evaluating the inequivalence and a computational simplification for the NBS laser energy standards (TE), AO 16: 2315
- Future prospects for large-scale photovoltaic conversion (A), JOSA 64: 1361
- Information, NSF workshop (N), AO 13: 1178
- Inventory of Energy R&D Information Resources (B) (N), AO 14: 1853
- Laser engines operating by resonance absorption (T), AO 15: 1141
- Low-thermal-emittance coatings for efficient solar-power generation (A), JOSA 64: 1361
- Molecular Energy Transfer. Edited by R. D. Levine and J. Jortner (B), Reviewed by McDaniel, Earl W., AO 15: 2605
- New office of Energy-related General Research established by NSF (N), AO 13: 1604
- Optical methods in energy conversion, SPIE seminar-in-depth, Rochester, 23-25 Jun 1975 (M), Reported by Schott, G. L., AO 14: 2784
- Project Independence. Federal Energy Authority Task Force on Solar Energy (B), Reviewed by Howard, John N., AO 15: A148



Remote Sensing: Energy Related Studies. Edited by T. Nejat Veziroglu (B), Reviewed by Levin, S. Benedict, AO 15: 1110  
 Research managers sought (N), AO 13: 1632  
 Solar cell advances (N), AO 13: 2133  
 Solar Energy Data Workshop. Edited by C. Turner (B), Reviewed by Howard, John N., AO 15: A148  
 Solar Heated Buildings, A Brief Survey, 12th Edition. By William A. Shurcliff (B), Reviewed by Baumeister, Philip W., JOSA 66: 1443  
 Solar heating and cooling of buildings (A), JOSA 64: 1360  
 Statement on energy conservation and lighting by International Commission on Illumination (CIE) (N), JOSA 65: 1088  
 Study on manpower in energy-related industries (N), AO 14: 123  
 Supplemental funding for programs (N), AO 13: 1192  
 Theoretical and practical boundaries of solar electricity (A), JOSA 64: 1361

## English

See Languages

## Enhanced total reflection

Enhanced total reflection with surface plasmons (T), JOSA 69: 419

## Environment

Environmental Impact of Stratospheric Flight (B), Reviewed by Howard, John N., AO 14: A198  
 Fluorocarbons and the Environment; Report of the Federal Task Force on Inadvertent Modification of the Stratosphere (B), Reviewed by Silverman, Shirleigh, AO 14: 2804  
 Further Information on the Fluorocarbon Industry and on Potential Impacts of Restriction of Fluorocarbon Production; Analysis (B), Reviewed by Silverman, Shirleigh, AO 14: 2804  
 Report on environmental symposium (N), AO 14: 168

## Erbium

Far-infrared transmittance of Tb, Ho, Tm, Er, and Yb orthoferrite (E), JOSA 65: 605  
 Isotope shifts and electron configurations in the spectrum of Er I (A), JOSA 64: 1371  
 Isotope shifts in the arc spectra of dysprosium, erbium, and ytterbium (ET), JOSA 66: 585  
 Spin-lattice relaxation in the excited  $^4S_{3/2}$  state of  $\text{Er}^{3+}$  in  $\text{LaF}_3$  (E), OL 3: 175

## Errata

Absorption coefficients of various pollutant gases at  $\text{CO}_2$  laser wavelengths; application to the remote sensing of those pollutants, AO 17: 2138  
 Acoustical holography by sector scanning, JOSA 64: 578  
 All-dielectric compound parabolic concentrator (L), AO 17: 1482  
 Analysis of 4-ionized vanadium (V V) (E), JOSA 67: 1135  
 Analysis of the spectral imaging capabilities of a moving grating interferometric spectrometer, JOSA 69: 1633  
 Analytical description of a Fabry-Perot spectrometer. 3: Off-axis behavior and interference filters, AO 18: 3364  
 Analytic theory of certain halo arcs (T), JOSA 66: 1446  
 AO Cumulative Index 1962-1973, AO 16: 797  
 AO Cumulative Index, 1962-1973, AO 16: 2784  
 Application of a simple differential interferometer to high current arc discharges, AO 14: 274  
 Asymptotic radiance and polarization in optically thick media: ocean and clouds; erratum, AO 16: 1130  
 Automated data acquisition and stabilization system for Fabry-Perot interferometry, AO 17: 2873  
 Beam-foil spectroscopy of bromine from 450 to 1000 Å, JOSA 67: 853  
 Bending losses of dielectric slab optical waveguide with double or multiple claddings: theory, AO 15: 1681

Binary silica optical fibers: refractive index and profile dispersion measurements, AO 17: 3530  
 Bragg diffraction of Gaussian beams by periodically modulated media (T), JOSA 66: 1141  
 Characteristics of a photoresist hologram and its replica (E), AO 13: 2190  
 Circular-carrier holograms, JOSA 65: 974  
 Cone interactions at high flicker frequencies: evidence for cone latency differences? JOSA 68: 277  
 Correcting glass-angles of prism, AO 16: 2787  
 Correlation between angle-of-arrival fluctuations in the entrance pupil of a solar telescope, JOSA 68: 277  
 Coupling in doubly exposed, thick holographic gratings (ET), JOSA 66: 79  
 $3d^2$ - $3d4f$  transitions in V IV (E), JOSA 68: 1292  
 Degenerate four-wave mixing in absorbing media; OL 3: 205  
 Design of holographic concave gratings for Seya-Namioka monochromators, JOSA 65: 474  
 Determination of the speed of light by absolute wavelength measurement of the  $R(14)$  line of the  $\text{CO}_2$  9.4- $\mu\text{m}$  band and the known frequency of this line, OL 1: 140  
 Diagram useful in designing coatings, JOSA 64: 1155  
 Diffraction efficiency of nonsinusoidal Bragg reflection gratings, JOSA 64: 895  
 Double phase-matching function, JOSA 69: 1049  
 Duration thresholds for chromatic stimuli, JOSA 69: 1049  
 Editorial oversight in Carniglia-Lotsch debate, JOSA 67: 716  
 Efficient coupling of incoherent light into optical fibers and bundles, AO 18: 607  
 Eigenfunction solution of the scattering of beam radiation fields by spherical objects, JOSA 66: 401  
 Evaluation of  $r_0$  for propagation down through the atmosphere, AO 14: 2567  
 Evaluation of  $r_0$  for propagation down through the atmosphere, AO 16: 549  
 Extinction of IR wavelengths by aerosols in coastal fog, AO 17: 3339  
 General analysis of aplanatic Cassegrain, Gregorian, and Schwarzschild telescopes, AO 13: 242  
 General theory of the aberrations of diffraction gratings and gratinglike optical instruments (T), JOSA 67: 1695  
 Generating large-diameter radius surfaces with small cutters, AO 18: 4066  
 Generation of time-reversed wave fronts by nonlinear refraction, JOSA 68: 1155  
 Generation of tunable coherent vacuum UV radiation in  $\text{KB}_5$ , AO 17: 2132  
 Global monitoring of stratospheric halogen compounds from a satellite using gas filter spectroscopy in the solar occultation mode (TE), AO 16: 1479  
 Heat trap: an optimized far infrared field optics system, AO 15: 814  
 High temperature absorption in the 10.4- $\mu\text{m}$  band of  $\text{CO}_2$ , AO 18: 1709  
 Holographic strain analysis: extension of fringe-vector method to include perspective, AO 15: 1905  
 Hybrid cryogenic cooler for space flight applications, AO 17: 3522  
 Hyperfine structure in the arc spectrum of  $^{83}\text{Kr}$ , JOSA 68: 1155  
 Image restoration subject to surface area or arc length constraints, JOSA 67: 576  
 Improvements on "low-temperature dielectric bolometer", JOSA 64: 1730  
 Infrared spectral radiance of a hot source through an atmospheric path, AO 16: 285  
 International comparison of measurements of luminance factor and reflectance of white diffusing samples, AO 15: 603  
 Interpolation of refractive index data, AO 14: 2056  
 Invisible bodies (T), JOSA 65: 1085  
 Jupiter has ethane and acetylene, AO 13: 11A18  
 Knife-edge profiling of Q-switched Nd:YAG laser beam and waist, AO 18: 2099  
 Laser anemometer signals: visibility characteristics and application to particle sizing, AO 16: 2358  
 Laser resonators folded by diffraction gratings, AO 18: 142  
 Leaky modes on a dielectric waveguide: orthogonality and excitation, AO 15: 2953  
 Lenses, wave optics, and eikonal functions, JOSA 68: 277

Lensless matched filter: operating principle, sensitivity to spectrum shift, and third-order holographic aberrations, AO 16: 1143  
 Light emission by magnetic and electric dipoles close to a plane interface. I. Total radiated power, JOSA 68: 1155  
 Light emission by magnetic and electric dipoles close to a plane dielectric interface. II. Radiation pattern of perpendicular oriented dipoles, JOSA 68: 1155  
 Light scattering by a spheroidal particle (T), AO 15: 2028  
 Limit of the moth's eye principle and other impedance-matching corrugations for solar-absorber design, JOSA 65: 748  
 Luminance and opponent color contributions to visual detection and to temporal and spatial integration: comment, JOSA 68: 1787  
 Lyman-alpha radiation source with high spectral purity, AO 17: 1853  
 Mapping of optical surfaces with quarter wavelength fringes, AO 17: 1990  
 Marechal intensity criteria modified for Gaussian beams (T), AO 13: 2774  
 Mean-life measurements for some terms in C II, C III, and C IV, JOSA 68: 1787  
 Measurement of the amplitude of phase excursions in the earth's atmosphere (ET), JOSA 66: 981  
 Methode d'échantillonnage des fonctions deterministes en spectroscopie: application a un spectrometre multicanal par comptage photonique, AO 13: 1739  
 Method for deriving color-difference-perceptibility ellipses for surface-color samples (TE), JOSA 65: 1389  
 Microchannel spatial light modulator, OL 4: 73  
 Microscope adapted for the generation of various contrast types: theory and experiment, AO 17: 328  
 Mie scattering by spheres in an absorbing medium, JOSA 65: 974  
 Minimum-bias spectral estimation with a coherent optical spectrum analyzer, JOSA 65: 973  
 Mode properties of annular gain lasers, AO 15: 16  
 Mode selective filtering by a coupling mechanism between glass fiber and thin-film slab waveguide, AO 14: 1481  
 Munsell renovations for samples of OSA uniform color scales, JOSA 69: 489  
 Neurophysiological basis for figure and ground, JOSA 64: 258  
 New analysis of the theory of Rowland ghosts (T), AO 13: 1009  
 New apodizing functions for Fourier spectrometry, JOSA 67: 419  
 New stigmatic, coma-free, concave-grating spectrograph, JOSA 65: 617  
 Nonlinear Fabry-Perot filled with  $\text{CS}_2$  and nitrobenzene, OL 4: 175  
 Novel hybrid optical correlator, AO 14: 1259  
 Off-center aberrations in non-aligned systems, JOSA 69: 208  
 Opacity of black smoke: calculated variation with particle size and refractive index, AO 18: 2099  
 Optical antenna gain. 2: Receiving antennas (T), AO 13: 2762  
 Optical aspects of oceanography, symposium, AO 13: 1955  
 Optical characteristics of a clear epoxy: erratum, AO 18: 1139  
 Optical strip waveguide: an analysis, AO 18: 3725  
 Optical waveguide cable connection, AO 16: 1468  
 Plasma polymerized coating for polycarbonate: single layer, abrasion resistant, and antireflection, AO 16: 1138  
 Polychrometer with extreme rejection of stray light, AO 13: 1555  
 Power transfer between nonparallel and tapered optical fibers, JOSA 65: 351  
 Problem in the determination of correlation functions, JOSA 68: 277  
 Propagation of IR light in flexible hollow waveguides (T), AO 15: 2028  
 Pulse broadening in optical fibers, AO 17: 2272  
 Radiance produced by laser radiation traversing a particulate multiple-scattering medium (T), JOSA 67: 1695  
 Radiating normal modes of lossy planar waveguides, JOSA 69: 1049  
 Raman and fluorescent scattering by molecules embedded in small particles: numerical results for incoherent optical processes, JOSA 69: 1049



- Raman Effect, Volume 2: Applications, JOSA 64: 1155
- Rayleigh-Gans-Debye applicability to scattering by nonspherical particles, AO 18: 962
- Ray tracing through holographic gratings, JOSA 66: 474
- Real-time holographic motion picture camera capable of recording front surface detail from a random velocity vector, AO 13: 1771
- Refractive index changes in germanium due to intense radiation, AO 17: 3706
- Refractive-index distribution for a prescribed ray path, JOSA 69: 1049
- Refractivity of fluids in microscopic tubes, AO 18: 4066
- Regularities in  $s$ -electron binding energies in  $l^{n_s}m$  configurations, JOSA 68: 1649
- Relations of photometry. Part 2, AO 13: 745
- Reply to "Correction to the theory of the Goos-Haenchen shift by Lotsch" by C. K. Carniglia (T) 66, 1426, JOSA 67: 716
- Response time of a liquid crystal image, AO 17: 2672
- Safelight for Agfa 10E75 and 8E75 plates: a correction, AO 18: 1125
- Scattering and extinction cross sections for a spherical particle coated with an oriented molecular layer, JOSA 66: 981
- Second-order statistics of laser-speckle patterns (T), JOSA 66: 79
- Sensitivity limits of an infrared heterodyne spectrometer for astrophysical applications, AO 16: 2793
- Shadowing an inhomogeneous plane wave by an edge, JOSA 68: 1787
- Simmer-enhanced flashlamp-pumped dye laser, AO 18: 2542
- Simulation of mechanical rotation by optical rotation: application to the design of a new Fourier photopolarimeter, JOSA 68: 1292
- Solar concentrators with maximal concentration for cylindrical absorbers (T), AO 16: 15
- Solitons created by chirped initial profiles in coherent pulse propagation, JOSA 69: 1633
- Speckle noise reduction by random phase shifters, AO 14: 1237
- Spectral characteristics of image quality for imaging horizontally through the atmosphere, AO 17: 1162
- Spectral-line profiles and wavelength measurements using the beam-foil light source, JOSA 66: 511
- Spectrum of doubly ionized yttrium (Y III) (E), JOSA 66: 981
- Spherical particle populations: approximate analytic relationship between size distribution parameters and integral optical properties, AO 15: 1904
- Splice losses in step-index fibers: dependency on fiber-break angle, AO 16: 2774
- Steady-state atomic fluorescence radiance expressions for continuum excitation, AO 18: 607
- Steady-state molecular luminescence radiance expressions assuming narrowband excitation, AO 18: 607
- Surface plasma oscillations at sinusoidal silver surfaces, AO 16: 2803
- Symmetric optimization of dielectric interference filters for nonnormal incidence (T), AO 15: 1124
- Synchrotron radiation facilities available at Stanford and Wisconsin, AO 14: 3085
- Techniques of holographic displacement measurement: an experimental comparison, AO 17: 2873
- The Handbook of Sensory Physiology, Vol. VII/5, The Visual System in Vertebrates, JOSA 69: 489
- Theory of optical wedges as flux modulators (T), JOSA 67: 1695
- Thin film optical coatings. 1: Optical coating stabilities, AO 17: 1486
- Tillyer, Edgar D., Award, 1980 award committee, JOSA 69: 1049
- Transitions of Zn XXII, Zn XXIII, Zn XXIV, Ge XXIV, and Ge XXV observed in laser-produced plasmas, JOSA 66: 1141
- Unit color-difference figures derived from the proposed CIE 1976  $L^*a^*b^*$  space, AO 14: 1770
- Unobscured-aperture two-mirror systems, JOSA 69: 208
- Viking infrared thermal mapper, AO 17: 2132
- Visual modeling of laser doppler anemometer signals by moiré fringes, AO 15: 814
- Waveguides: characteristic modes of hollow rectangular dielectric waveguides (T), AO 15: 2029
- ESPI, Electronic speckle patterns in interferometry**  
See Speckle patterns
- Etalons**  
See also Gratings  
Temperature and pressure effects on pressure-scanned etalons and gratings (T), AO 14: 1585  
Temperature measurement using optical etalons (A), JOSA 64: 1404
- Ethylene**  
Carbon dioxide laser absorption coefficients for determining ambient levels of  $O_3$ ,  $NH_3$ , and  $C_2H_4$  (E), AO 13: 2850  
High-resolution diode-laser spectroscopy of the  $949.2\text{ cm}^{-1}$  band of ethylene, JOSA 65: 579  
Remote measurements of ambient air pollutants with a bistatic laser system (E), AO 15: 2080
- Europium**  
Lifetime measurements for excited states of rare-earth atoms using pulse modulation of a cw dye-laser beam (E), JOSA 69: 984  
Multiphoton excitation and emission from europium ions in aqueous solution (E), OL 3: 149  
Spectrum and energy levels of doubly ionized europium (Eu III) (ET), JOSA 64: 1484
- Eyes**  
See Vision, physiological optics
- Fabry-Perot**  
See also Interferometry  
Analysis of the effect of foreign gases in the filtering action of a  $^{85}\text{Rb}$  cell (TE), JOSA 68: 1087  
Analytical description of a Fabry-Perot spectrometer. 3: Off-axis behavior and interference filters (TE), AO 13: 2654  
Analytical description of a Fabry-Perot spectrometer. 4: Signal noise limitations in data retrieval: winds, temperature, and emission rate (T), AO 17: 2967  
Analytical description of a Fabry-Perot spectrometer. 5: Optimization for minimum uncertainties in the determination of Doppler widths and shifts (T), AO 18: 3826  
Application of a Fabry-Perot spectrometer to the measurement of spectral line shifts much smaller than line width (ET), AO 15: 69  
Asymmetrical Fabry-Perot interferometer with feedback (ET) (L), AO 18: 2358  
Automated data acquisition and stabilization system for Fabry-Perot interferometry (E), AO 17: 1603  
Automated data acquisition and stabilization system for Fabry-Perot interferometry (errata), AO 17: 2873  
Behavior of submillimeter Fabry-Perots at 1.2 K (A), JOSA 68: 1366  
Bistable Fabry-Perot resonator (A), JOSA 67: 250  
Broad-band dielectric mirror coatings for Fabry-Perot spectroscopy (A), JOSA 66: 160  
Broadband dielectric mirror coatings for Fabry-Perot spectroscopy (TE), AO 15: 2998  
Coherent light source detector (P), AO 14: A77  
Computer-controlled Fabry-Perot interferometer for Brillouin spectroscopy (E), AO 18: 540  
Conditions of pressure scanning of a Fabry-Perot interferometer over a wide spectrum range (TE), AO 16: 2119  
Correction of Brillouin linewidths measured by multipass Fabry-Perot spectroscopy (TE), AO 16: 1404  
Deconvolution of instrumental response for asymmetric spectral lines (T) (L), JOSA 69: 482  
Deconvolution of spectral lines: an improved method (T) (L), AO 18: 2914  
Dependence of the finesse of a Fabry-Perot on the plate separation (A), JOSA 67: 1385  
Fabry-Perot diplexer (P), AO 18: 3271  
Fabry-Perot interferometer applied to optical derivative spectroscopy at low light levels (E) (L), AO 13: 1746  
Fabry-Perot inversion algorithm (T), AO 18: 1988
- Fabry-Perot line-shape studies of the KDP soft mode (A), JOSA 67: 1410  
Fabry-Perot optical switch driven by a fast PZT transducer (E) (L), AO 18: 2359  
Fabry-Perot recycling spectrometer (E), AO 15: 1850  
Fabry-Perot with short pulse lasers: spectral selection and spectral analysis in dye lasers (TE), AO 17: 451  
Fast-scanning far-infrared Fabry-Perot interferometer (E), AO 14: 460  
Galaxy profile convolved with the Fabry-Perot instrument function (T), AO 16: 1732  
Generation of single ultrashort  $\text{CO}_2$  laser pulses in a Fabry-Perot interferometer (E), OL 1: 161  
High-precision measurements of Brillouin scattering frequencies (E), AO 18: 3815  
High resolution Fabry-Perot spectrometer for infrared astronomy (E), AO 18: 641  
High resolution solar observations: the hydrogen-alpha telescopes on Skylab (E), AO 16: 917  
High resolvance interference spectrometry with a high factor of merit in the visible spectrum (E), AO 18: 85  
Image profile upon passage through a Fabry-Perot interferometer of large Fresnel number (T), JOSA 69: 348  
Instrumental profile of a triple Fabry-Perot interferometer for use in solar spectroscopy (T), AO 17: 415  
Instrument for high resolution spectral analysis with large optical throughput (P), AO 15: 1347  
Interference fringes formed by an out-of-focus Fabry-Perot etalon with point illumination (E) (L), AO 17: 2480  
Interferometer-grating spectrograph for high resolution astronomical spectroscopy in the middle UV (E), AO 17: 2119  
Interferometry from 1950 to the present (R), JOSA 67: 871  
Linear scan control of tunable lasers using a scanning Fabry-Perot (E), AO 18: 1505  
Long path Fabry-Perot interferometers for condensed phases: a note on their design (T) (L), AO 15: 2963  
Luminous flux amplification in Fabry-Perot spectrometry (T), AO 17: 3930  
Luminous flux amplification in Fabry-Perot spectrometry: comment (T) (L), AO 18: 1475  
Luminous flux amplification in Fabry-Perot spectrometry: authors' reply to comment (T) (L), AO 18: 1476  
Matched-filter Fabry-Perot interferometer (A), JOSA 64: 1382  
 $\text{MgF}_2$  Fabry-Perot etalon plates for the vacuum ultraviolet (E) (L), AO 15: 2626  
Nonlinear behavior of a Fabry-Perot interferometer filled with a Kerr liquid (A), JOSA 68: 642  
Nonlinear electro-optic Fabry-Perot devices using reflected-light feedback (ET), OL 2: 55  
Nonlinear Fabry-Perot filled with  $\text{CS}_2$  and nitrobenzene (ET), OL 4: 40  
Nonlinear Fabry-Perot interferometer with subnanosecond response times (A), JOSA 68: 641  
Parallelity criteria for samples to be studied using Fabry-Perot interferences (T), AO 16: 2847  
Parallelity criterion for samples to be studied using Fabry-Perot interferences (A), JOSA 67: 252  
Photometer for detection of lithium release in daytime (E) (L), AO 18: 420  
Piezoelectric scanning of Fabry-Perot spectrometers: nonlinearities (TE), AO 17: 3088  
Pressure-scanned Fabry-Perot interferometer for nightglow measurements: its construction and operation (E), AO 15: 2418  
Pressure-scanned three-pass Fabry-Perot interferometer (E), AO 17: 3298  
Recording the parallelism of optically contacted Fabry-Perots (E), AO 15: 3006  
Resonant internal-reflection prism spectroscopy using surface, guided and Fabry-Perot EM waves (ET), AO 17: 430  
Rimmed Cassegrain open resonator (T) (L), JOSA 66: 494  
Scanning technique for obtaining linear fringe shift readout from a high resolution interferometer (E), AO 17: 2794  
Simple fast-scanning Fabry-Perot spectrometer (E), AO 18: 545



- Solid-state laser wavelength identification using a reference absorber (E) (L), AO 16: 2615
- Spectroscopic photoelectric imaging Fabry-Perot interferometer: its development and preliminary observational results (E), AO 15: 717
- Stable multipass Fabry-Perot interferometer: design and analysis (ET), AO 16: 2514
- Standard of flatness: its application to Fabry-Perot interferometers (E), AO 14: 2283
- Thermospheric dynamics investigations with very high resolution spectrometers (ET), AO 18: 3376
- Tilted birefringent Fabry-Perot etalon for tuning dye lasers (TE), AO 15: 472
- Tunable diode laser spectroscopy in the infrared: some practical considerations of techniques and calibration with  $\nu_2$  lines of HCN (E), AO 18: 1350
- Tuning of a dye laser by a birefringent Fabry-Perot etalon (TE), AO 14: 917
- Variable-magnification spectrometer (E), AO 13: 1621
- Versatile nebular insect-eye Fabry-Perot spectrograph (E), AO 14: 465
- Wind measurements from an orbital platform using a lidar system with incoherent detection: an analysis (T), AO 18: 2992

## Faraday effect

- See also Electrooptics
- Diamagnetic Faraday effect in the garnets YAG, YGG, and GGG (A), JOSA 64: 1383
- Enhanced Faraday effect and its application to optical communication (E), AO 16: 751
- Excitation of hybrid modes in magneto-optic waveguides (E) (L), AO 13: 1001
- Faraday rotation optical isolator for 10.6- $\mu$ m radiation (E), AO 13: 2313
- Faraday rotator device including lithia-silicate glass articles containing  $Tb_2O_3$  (P), AO 15: 2609
- Faraday rotator using ED4 glass (E) (L), AO 13: 1555
- Isolator in integrated optics using Faraday and Cotton-Mouton effects (ET) (L), AO 16: 2031
- Magneto-optic effects in garnet thin film waveguides (ET) (L), AO 14: 1479
- Measurement of low-field Faraday rotation and ellipticity (E), AO 13: 1451
- Nonreturn optical Faraday effect system and application to a laser amplifier (P), AO 16: 2341
- Optical beam shaping devices using polarization effects (ET), AO 13: 1629
- Polarization and magneto-optic properties of single-mode optical fiber (ET), AO 17: 52
- Polarization eigenstate measurement scheme for the discriminations of concurrent optical activity and electric-field-induced birefringence (A), JOSA 68: 1449
- Simulation of mechanical rotation by optical rotation: application to the design of a new Fourier photopolarimeter (TE), JOSA 68: 518
- Simulation of mechanical rotation by optical rotation: application to the design of a new Fourier photopolarimeter (errata), JOSA 68: 1292
- Visible optical isolator using ZnSe (ET), AO 16: 1584

## Far infrared

See Infrared, far

## Fiber optics

- See also Optical communications
- Aberrations in curved graded-index fibers (T), JOSA 69: 300
- Acceptance angle of axially graded-index tapers (A), JOSA 64: 526
- Accuracy of directional coupler theory in fiber or integrated optics applications (T), JOSA 68: 1079
- Accurate determination of fiber radii in the hypermicrometer range by multiwavelength laser light scattering (ET), AO 18: 3751
- Accurate silicon spacer chips for an optical fiber cable connector (A), JOSA 67: 708
- Acoustic sensitivity of single-mode optical power dividers (E), OL 4: 322
- Adjustable fiber optic connector (P), AO 18: 3347

- Analysis of non-matched beam propagation in gradient-index optical guides (T), JOSA 65: 1483
- Analysis of scattering from fiber waveguides with irregular core surfaces (T), AO 13: 2370
- Analysis of thermal conditions in  $CO_2$  laser splicing of optical fibers (TE), AO 16: 2743
- Angle selective fiber coupler (E), AO 15: 253
- Application of the mechanical theory of light to fiber optics (T), JOSA 65: 174
- Approximate formula for describing dispersion properties of optical dielectric slab and fiber waveguides (T), JOSA 69: 291
- Astigmatic Gaussian beams in an elliptical square-law medium (T) (L), AO 17: 2869
- Asymptotic expression for the far field distribution of step-index single-mode fibers (T) (L), AO 16: 1793
- Atlanta system experiments overview (A), JOSA 67: 709
- Attenuation measurement in glasses for optical communications: an immersion method (E), AO 15: 256
- Attenuation measurement in low-loss optical glass by polarized radiation (A), JOSA 64: 1366
- Attenuation measurement in low-loss optical glass by polarized radiation (E), AO 14: 3047
- Automatic analysis of interferograms: optical waveguide refractive index profiles (E), AO 15: 1048
- Automatic geometric measurements of single-mode and multimode optical fibers (E), AO 18: 402
- Automatic refractive-index profiling of optical fibers (E), AO 17: 2209
- Backscattering of light from optical fibers with arbitrary refractive-index distributions: uniform approximation approach (T), JOSA 68: 1298
- Backscattering patterns of step index optical fibers: angular width (ET), AO 14: 2598
- Backward stimulated Raman scattering in multimode fiber (E) (L), AO 17: 2486
- Baseband frequency response measurement system for optical components (E), AO 17: 651
- Beam and Fiber Optics. By J. A. Arnaud (B), Reviewed by Meyer-Arendt, Jurgen R., AO 16: 270
- Beam and Fiber Optics. By J. A. Arnaud (B), Reviewed by Pask, Colin; Snyder, Allan W., JOSA 67: 1693
- Beaming messages of light in U.S. Navy (N), AO 18: A26
- Bending losses of dielectric rectangular waveguides for integrated optics (T), JOSA 68: 316
- Bending losses of dielectric slab optical waveguide with double or multiple claddings: theory (T), AO 14: 2588
- Bending losses of dielectric slab optical waveguide with double or multiple claddings: theory (errata), AO 15: 1681
- Bending loss of propagation modes in arbitrary-index profile optical fibers (T), AO 17: 1499
- Bidirectional coupler for fiber optical systems (P), AO 18: 3347
- Binary silica optical fibers: refractive index and profile dispersion measurements (E), AO 15: 3029
- Binary silica optical fibers: refractive index and profile dispersion measurements (errata), AO 17: 3530
- Birefringence and optical activity in single-mode fibers (A), JOSA 67: 707
- Birefringence in elliptically clad borosilicate single-mode fibers (ET), AO 18: 4080
- Birefringence of elliptical clad single polarization fibers (A), JOSA 68: 1407
- Bound leaky modes in optical fibers (A), JOSA 65: 1213
- Calculation of bandwidth from index profiles of optical fibers. 1: Theory (T), AO 18: 2073
- Calculation of bandwidth from index profiles of optical fibers. 2: Experiment (ET), AO 18: 3249
- Calculation of coupling losses between light emitting diodes and low-loss optical fibers (T), AO 14: 288
- Calculation of dispersion in graded-index multimode fibers by a propagating-beam method (T), AO 18: 2843
- Calculation of fiber bandwidth from index-profile measurements (A), JOSA 69: 1457
- Calorimetric determination of loss mechanisms in optical fibers (A), JOSA 67: 1373

- Calorimetric measurement of absorption and scattering losses in optical fibers (E), OL 2: 48
- Change of the refractive index in an optical fiber due to external forces (E), AO 17: 2080
- Characteristics of a fiber-optic Raman laser (E), AO 16: 1239
- Characteristics of a Gaussian beam at a dielectric interface (T), JOSA 68: 508
- Characteristics of stimulated Raman scattering in multimode fiber (A), JOSA 68: 1383
- Chemicals for manufacture of fiber optics (A), JOSA 65: 1214
- Chromatic dispersion and spectral transmission characteristics of Schott's UV optical fibers (A), JOSA 65: 1214
- Coatings for fiber waveguides (P), AO 18: 3937
- Commentaires concernant l'élargissement des impulsions dans les fibres optiques (T) (L), AO 18: 1290
- Communication channel multiplexer (P), AO 18: 3757
- Compact optical circulator for optical fiber transmission (E), AO 18: 3700
- Comparison of calculated and measured impulse responses of optical fibers (TE), AO 18: 2199
- Comparison of leaky-mode and leaky-ray analyses of circular optical fibers (T) (L), JOSA 66: 370
- Composite optical fiber element for telecommunication cables (P), AO 18: 748
- Compositions of boron-free cladding and core glasses for use in making optical fibers (P), AO 18: 748
- Compound optical crosspoint with low crosstalk (E), AO 16: 3223
- Computational approach for predicting the optical behavior of multimode fiber optic switching devices (TE), JOSA 69: 443
- Computing the propagation characteristics of radially stratified fibers: an efficient method (T), AO 16: 483
- Concentrated-type directional coupler for optical fibers (E) (L), AO 15: 2032
- Connecting device for optical fibers (P), AO 18: 3347
- Connector structure for connecting optical fibers (P), AO 18: 3347
- Contamination of furnace-drawn silica fibers (E), AO 16: 701
- Contamination of furnace-drawn silica fibers: comment (E) (L), AO 16: 3084
- Continuous fiber optical transmit and receive terminal (P), AO 15: 1888
- Continuous-wave optical-fiber Raman oscillator employing a two-mirror resonator configuration (E) (L), AO 17: 3032
- Continuous wave tunable near-infrared (1.085–1.175- $\mu$ m) Raman oscillator (E), OL 1: 96
- Contribution of unbound modes to light absorption in visual photoreceptors (TE), JOSA 64: 1711
- Core glass for fiber optics (P), AO 15: 1888
- Correlation between numerical predictions and measurements of single- and double-mode fiber transmission characteristics (A), JOSA 69: 1448
- Coupled power equations for lossy fibers (T), AO 17: 3232
- Coupled power theorem and orthogonality relations for optical disk waveguides (T), JOSA 67: 1634
- Coupler for semiconductor lasers (P), AO 17: 1468
- Coupling efficiency between GaAlAs laser and low loss optical fibers (E) (L), AO 14: 2815
- Coupling element (P), AO 15: 584
- Coupling of curved transmission lines, and application to optical directional couplers (T), JOSA 65: 163
- Coupling of fibers to Ti-diffused  $LiNbO_3$  waveguides by butt-joining (E), AO 18: 2037
- Coupling of rigid to flexible imaging multifibers (E), AO 17: 3818
- Coupling optical waveguides by tapers (T), AO 14: 3012
- Crosstalk between light pipes (T), JOSA 66: 877
- Cross talk in absorbing optical fibers (T), JOSA 65: 810
- Crosstalk reduction in optical switching (T) (L), AO 14: 2559
- Curvature loss formula for optical fibers (T), JOSA 66: 216
- Cut-off wavelength measurements for single-mode optical fibers (E), AO 18: 1101
- Cylindrically aligned liquid crystals: an interferometric analysis (E), AO 18: 1455



- Data distribution using fiber optics (T), AO 14: 4571
- Data highway using optical fiber cable (A), JOSA 66: 390
- Delay distortion characteristics of optical-fiber splices (A), JOSA 66: 391
- Delay distortion characteristics of optical fiber splices (E), AO 16: 497
- Demonstration of the optical quality of a new glass fiber (N), AO 15: 2811
- Detection of geometric perturbations in optical fibers (E), AO 16: 695
- Detection of microcracks and imperfections in optical fibers by light scattering (A), JOSA 66: 1100
- Determination de défauts de circularité de la section d'une fibre optique non gainée (E), AO 18: 2510
- Determination of coupling coefficients by means of a fiber resonator (T), JOSA 67: 997
- Determination of modal power distribution in graded-index optical waveguides from near-field patterns and its application to differential mode attenuation measurement (TE), AO 18: 2207
- Determination of the zero-material-dispersion wavelength in germanium- and phosphorus-doped silica fibers (A), JOSA 68: 633
- Determining the refractive index profile of a lenslike medium (TE), JOSA 67: 1672
- Device having some fibers clad with absorbing glasses (P), AO 13: 2177
- Diameter determination of graded-index optical fibers from backward-scattered pattern (ET), AO 18: 3276
- Diameter variations reduces multimode dispersion (P), AO 18: 3872
- Dielectric compound parabolic concentrators (T) (L), AO 15: 291
- Differential mode attenuation measurements in graded-index fibers (E), AO 17: 1830
- Diffuse reflectance from a finite blood medium: applications to the modeling of fiber optic catheters (TE), AO 15: 2059
- Direct demonstration of distortionless picosecond-pulse propagation in kilometer-length optical fibers (E), OL 4: 297
- Direct measurement of the inhomogeneous dispersion parameter in optical fibers (A), JOSA 67: 707
- Direct measurement of the refractive indices for a small numerical aperture clad fiber: a simple method (E) (L), AO 13: 1255
- Direct transmission of pictorial information in multimode optical fibers (T), JOSA 66: 306
- Dispersion compensation using drift delay lines (P), AO 14: 1241
- Dispersion in optical fibers: new aspects (T), AO 17: 1023
- Dispersion in step-index silicone-clad fibers (E), AO 18: 4000
- Dispersion minimization in dielectric waveguides: comment on (T) (L), AO 13: 1289
- Dispersion minimization in dielectric waveguides: reply to comment on (L), AO 13: 1290
- Dispersion minimization in dielectric waveguides: comment (T) (L), AO 13: 2461
- Dispersion minimum of monomode fibers (T), AO 18: 1259
- Dispersion-optimized optical single-mode glass fiber waveguides (T), AO 14: 163
- Distortion losses in cabled optical fibers (T) (L), AO 14: 20
- Distributed coupling between a single-mode fiber and a planar waveguide (A), JOSA 66: 291
- Double eccentric connectors for optical fibers (E), AO 16: 1323
- Drawing-induced coloration in vitreous silica fibers (E), JOSA 64: 475
- Drawing of smooth optical fibers (A), JOSA 67: 706
- Drawing optical fiber bundles from a double crucible: a new technique (E) (L), AO 17: 170
- Dual three-rod connector for single fiber optics (E), AO 18: 400
- Dynamic and static fatigue of high-strength epoxy-acrylate coated fused silica fibers (A), JOSA 67: 706
- Eccentric core optical waveguide (P), AO 16: 538
- Eccentric coupler for optical fibers: a simplified version (E) (L), AO 14: 815
- Effect of cladding modes on the far-field radiation pattern for a multimode step-index optical fiber (E) (L), AO 17: 2132
- Effect of Goos-Haenchen shifts on pulse widths in optical waveguides (T) (L), AO 16: 2353
- Effect of leaky modes on the response of short optical fibers (T) (L), JOSA 67: 1284
- Effect of noncircular cross section on the forward scattering pattern of side-illuminated unclad fibers (T), AO 18: 4089
- Effect of temperature on fiber loss and pulse delay distortion for an exploratory fiber optical cable (A), JOSA 67: 708
- Effect of temperature on optical fiber transmission (E) (L), AO 17: 3703
- Effect of the cladding on pulse broadening in graded-index optical waveguides (T), AO 16: 2171
- Effects of beam displacement and front and back mistracking of junction lasers on lightwave transmitter output stability (E), AO 17: 2219
- Effects of co-channel interference on optical, code division multiple access communication systems (A), JOSA 69: 1462
- Effects of profile deformations of fiber bandwidth (T), AO 18: 3758
- Efficiency limitations imposed by thermodynamics on optical coupling in fiber-optic data links (T), JOSA 65: 1479
- Efficient coupling of incoherent light into optical fibers and bundles (T), AO 17: 2416
- Efficient white laser illuminators for plastic optical fibers (E), AO 16: 1041
- Eight-terminal bidirectional fiber optic data bus employing T couplers (A), JOSA 66: 390
- Elastomer coating to reduce microbending loss (P), AO 18: A214
- Electromagnetic waves in two-dimensionally inhomogeneous media (T), JOSA 68: 1748
- Electro-optical information conversion system using fiber optics (P), AO 13: 2177
- Electro-optic multiplexer for large-numerical-aperture, low-loss fibers (E), OL 1: 35
- Electrooptic multiplexer system for multimode fiber communications (E), AO 17: 3688
- Electrooptic polarization switch for multimode fibers (T), AO 16: 119
- Electrostatic fiber holder (L), AO 16: 1464
- Electrostatic optical switch (P), AO 18: 3221
- Elementary derivation of the phase shift at a caustic (T) (L), AO 15: 2949
- Elliptical-core single-mode fiber butt-joint losses (A), JOSA 68: 1407
- Ellipticity measurement of optical fibers (E), AO 15: 492
- End fire coupling between optical fibers and diffused channel waveguides (A), JOSA 67: 1393
- End fire coupling between optical fibers and diffused channel waveguides (T) (L), AO 16: 2048
- End-fire coupling between optical fibers and diffused channel waveguides: comment (T) (L), AO 18: 2362
- End preparation and fusion splicing of an optical fiber array with a CO<sub>2</sub> laser (E), AO 18: 3256
- Equal excitation of all modes on an optical fiber (T), JOSA 68: 572
- Evaluating gradient index fibers using transverse illumination (A), JOSA 67: 1373
- Evaluation of fiber optical waveguides using Brillouin spectroscopy (E), AO 13: 1376
- Evaluation of material dispersion using a nanosecond optical pulse radiator (E), AO 18: 2223
- Evanescent wave coupling in fiber optic connectors: an observation (E) (L), AO 18: 1292
- Exact expressions for scalar modal eigenvalues and group delays in power-law optical fibers (T), JOSA 69: 1599
- Excess loss caused by a lossy outer layer in multimode optical fibers (ET), AO 16: 1038
- Excess loss caused by an outer layer in multimode step-index fibers: experiment (ET), AO 16: 1320
- Excess loss caused by the outer layer in a multimode step-index optical fiber (T), AO 16: 2732
- Excitation and splicing of the single-mode W fiber (A), JOSA 67: 1372
- Excitation of a doubly clad optical fiber by misaligned Gaussian beams (T), AO 17: 2086
- Excitation of an optical fiber by a Gaussian beam (T), AO 14: 2190
- Excitation of a self-focusing optical fiber (A), JOSA 64: 526
- Excitation of fundamental and low-order modes of optical fiber waveguides by Gaussian beams. 1: Tilted beams (T), AO 13: 1893
- Excitation of fundamental and low-order modes of optical fiber waveguides with Gaussian beams. 2: Offset beams (T), AO 14: 169
- Expansion of a plane wave in terms of Laguerre-Gaussian functions and the spectral response of Selfoc (T), JOSA 65: 56
- Experimental fiber optics communications system (A), JOSA 66: 391
- Experimental 400 Mb/s digital transmission system using Selfoc fiber (A), JOSA 67: 708
- Externally mounted fibers for integrated optics interconnections, AO 14: 1860
- Fabrication of an access coupler with single-strand multimode fiber waveguides (E) (L), AO 15: 2629
- Fabrication of long-length fibers by improved CVD method (A), JOSA 67: 706
- Fabrication of optical fibers with improved cross-sectional circularity (P), AO 18: 3669
- Factors affecting practical attenuation and dispersion measurements (A), JOSA 67: 707
- Fail-safe fiber-optics data bus using active multimode mirror terminals (E), AO 17: 3822
- Failure of geometric optics for analysis of circular optical fibers (T), JOSA 64: 608
- Fatigue strength of strong fibers at high temperatures (A), JOSA 67: 706
- Fiber bandwidth-spectrum studies (T), AO 18: 3242
- Fiber-break testing by interferometry: a comparison of two breaking methods (E) (L), AO 16: 818
- Fiber Faraday circulator (A), JOSA 69: 1483
- Fiber geometry specifications and its relation to measured fiber statistics (ET), AO 17: 3984
- Fiberguide to metal hermetic seal (E) (L), AO 17: 2271
- Fiber optic acoustic sensors with composite structure (A), JOSA 69: 1463
- Fiber-optic acoustic sensors with increased sensitivity by use of composite structures (E), OL 4: 320
- Fiber optic acoustic sensors with composite structure: an analysis (T), AO 18: 3679
- Fiber-optical sensing of pressure and temperature (A), JOSA 68: 1384
- Fiber optic array splicing (A), JOSA 66: 391
- Fiber-optic cable (P), AO 18: 3501
- Fiber Optic Communication Information Society (FOCIS) (N), AO 16: 267
- Fiber optic coupler with concave spherical reflecting elements (P), AO 18: 3713
- Fiber optic data distribution systems utilizing variable tap ratio optical couplers (ET) (L), AO 16: 2355
- Fiber optic faceplate excited Ruticon color image reproduction system (E) (L), AO 14: 1770
- Fiber optic guides of noncircular cross section (T) (L), AO 17: 1673
- Fiber optic hydrophone: improved strain configuration and environmental noise protection (T), AO 18: 2933
- Fiber optic hydrophone sensitivity for different sensor configurations (T) (L), AO 18: 3720
- Fiber optic phase correction using holograms (P), AO 18: A114
- Fiber Optics and Integrated Optics, a Journal Stressing Component Systems and Future Trends. Edited by Henri Hodara (B). Reviewed by Silverman, Shirleigh, AO 14: 2804
- Fiber Optics. By M. P. Lisitsa, L. I. Berezinskii, and M. Ya. Valakh (B). Reviewed by Hyde, W. Lewis, AO 13: 213
- Fiber-optic sensing of pressure and temperature (TE), AO 18: 1445
- Fiber optic sheet formation by selective photopolymerization (E), AO 17: 646
- Fiber optic sheets of ridged polymer films (E), AO 14: 586
- Fiber Optics in Communications Systems. By Glenn A. Eliot and Herbert A. Eliot (B). Reviewed by Cartledge, John C., AO 18: 147
- Fiber optics matrix-vector multiplier (A), JOSA 69: 1450
- Fiber optics strain gauge (ET) (L), AO 17: 2867
- Fiber optics transmittance: effect of cladding absorption (T) (L), AO 15: 2033
- Fiber plate as a focusing screen (P), AO 13: 11A26
- Fiber profile reflectivity measurement with an oil immersion lens (A), JOSA 67: 1373
- Fiber response to broadband signals (T) (L), AO 16: 3080



- Fiber ring interferometer (E) (L), AO 15: 1099  
 Fiber-ring interferometer: polarization analysis (ET), OL 4: 152  
 Fibers and integrated optics, SPIE/SPSE Technical Symposium East: seminar 3, 21-23 Mar 1976 (M), Reported by Evans, B. D., AO 15: 1664  
 Fiber waveguides: a novel technique for investigating attenuation characteristics (E), AO 15: 2112  
 Fibre Optics: Theory and Practice. By W. B. Allan (B), Reviewed by Lovell, D. J., AO 14: 1740  
 Fibre Optics: Theory and Practice. By W. B. Allan (B), Reviewed by Jones, Alan L., JOSA 64: 1348  
 Field deformation and loss caused by curvature of optical fibers (T), JOSA 66: 311  
 Field experiment of PIM-IM optical fiber communication system and its stability against environmental conditions (A), JOSA 67: 709  
 Field trial of optical fiber communication for power system (A), JOSA 67: 709  
 Film-fiber coupling in integrated optics (E) (L), AO 14: 1256  
 Focusing effects in interferometric analysis of graded-index optical fibers (TE), AO 14: 151  
 Focusing method for nondestructive measurement of optical fiber index profiles (E), AO 18: 14  
 Formation of a spherical lens at optical fiber ends with a CO<sub>2</sub> laser (ET), AO 14: 294  
 Formulas for calculating the refractive index profile of optical fibers from their transverse interference patterns (TE), AO 17: 1972  
 Frequency domain measurements of dispersion as a function of wavelength in multimode optical fibers (A), JOSA 67: 707  
 Frequency response of optical fibers using a combination time-frequency domain technique (E) (L), AO 18: 1877  
 Fresnel-Fizeau effect in a rotating optical fiber ring interferometer (E) (L), AO 16: 2605  
 Fresnel's and Snell's laws for the multimode optical waveguide of circular cross section (T), JOSA 65: 1241  
 Fringe spacing of the scattered intensity from cylinders (A), JOSA 69: 1451  
 Full duplex optical link using single-strand multimode fiber (A), JOSA 67: 1372  
 Full duplex transmission link over single-strand optical fiber (E), OL 1: 107  
 Fundamental (HE<sub>11</sub>) modes of graded optical fibers (T), JOSA 69: 1663  
 Fundamentals of Optical Fiber Communications. Edited by Michael K. Barnoski (B), Reviewed by Meyer-Arendt, Jurgen R., AO 15: 2601  
 Further applications of calorimetry in determining the loss characteristics of optical fibers (A), JOSA 68: 1408  
 Further discussions of approximate formulas describing dispersion properties of dielectric optical waveguides (T), JOSA 69: 1373  
 Fused bonded elements (P), AO 14: 1241  
 Fusion splices for optical fibers by discharge heating (E), AO 17: 1959  
 Fusion splices for single-mode optical fibers (A), JOSA 67: 709  
 GaAlAs laser transmitter for optical-fiber transmission systems (A), JOSA 66: 391  
 GaAs laser array source package (E), OL 1: 40  
 GaAs twin-laser setup to measure mode and material dispersion in optical fibers (E), AO 13: 261  
 Gallium arsenide laser-array-on-silicon package (E), AO 17: 479  
 Galvanometer beam-scanning system for laser fiber drawing (E), AO 18: 496  
 Gaussian approximation of the fundamental modes of graded-index fibers (T), JOSA 68: 103  
 Gaussian beams in gradient index fibers viewed as coherent states (A), JOSA 69: 1473  
 Gaussian pulse transmission through monomode fibers, accounting for source linewidth (T), AO 17: 2412  
 Generalized parameters for tunneling ray attenuation in optical fibers (T), JOSA 68: 110  
 Geometric optics limit of Marcuse's coupled power equations (T) (L), AO 15: 868  
 Glass fiber hermetic seals using a CO<sub>2</sub> laser (E), AO 14: 1342  
 Glass fibers, rods, and structures containing refractive index gradients (P), AO 14: 3110  
 Goos-Haenchen shift (T), AO 15: 236  
 Graded-index fiber (P), AO 14: 3  
 Graded index fiber waveguides with borosilicate composition: fabrication techniques (E), AO 15: 1803  
 Graded index in source matches fiber core geometry (P), AO 18: 3221  
 Graded-index optical fiber waveguide (P), AO 15: 585  
 Gradient index fiber and method of splicing (P), AO 14: 3110  
 Gradient index light conductor (Selfoc) (P), AO 13: 2177  
 Gradient index optical fiber (P), AO 18: 3714  
 Grating coupling between low-index fibers and high-index film waveguides (A), JOSA 66: 292  
 Group velocity matching in optical fibers (ET), OL 1: 205  
 Guided modes in graded index optical fibers (T), JOSA 67: 1192  
 Guided-wave optical devices in Japan (A), JOSA 66: 292  
 Guided waves along an optical fiber with parabolic index profile (E), JOSA 67: 96  
 Handbook of Optics. Edited by Walter G. Driscoll and William Vaughan (B), Reviewed by Wright, W. D., AO 18: 416  
 Handling optical cables: safety aspects (T), AO 16: 2380  
 Handling optical cables: safety aspects; comments (T) (L), AO 17: 1987  
 Handling optical cables: safety aspects; reply to comments (T) (L), AO 17: 1987  
 High-aperture, medium-loss alkali-lead-silicate fibers prepared by the double-crucible technique (A), JOSA 67: 706  
 High-efficiency tunable cw fiber Raman oscillator (A), JOSA 67: 250  
 Highly efficient light coupling from GaAlAs lasers into optical fibers (E), AO 15: 2432  
 High-speed noncontact fiber-diameter measurement using forward light scattering (E), AO 16: 2395  
 Hot splices of optical waveguide fibers (E), AO 15: 793  
 Hybrid laser-to-fiber coupler with a cylindrical lens (E), AO 16: 1966  
 Hyperbolic type optical fiber lens coupler for coupling the fiber to an optical line source (P), AO 15: 1346  
 Improved fabrication technique for applying coatings to optical fiber waveguides (A), JOSA 67: 706  
 Improvement of the coupling efficiency between LEDs and optical fibers (T), AO 18: 2062  
 Impulse response of a self-focusing optical fiber (T), AO 16: 705  
 Impulse response of a step index optical fiber excited by a Lambertian source (T), AO 16: 1311  
 Impulse response of a step index optical fiber excited by a Lambertian source: addendum (T) (L), AO 16: 3082  
 Influence of baseband frequency responses of optical components on the transmission system design (A), JOSA 67: 708  
 Injection molded splice connector with silicon chip insert for joining optical fiber ribbons (A), JOSA 67: 708  
 In-line connectors for multimode optical waveguide bundles (E) (L), AO 13: 240  
 In-line fiber-optical polarization transformer (ET) (L), AO 18: 1288  
 In situ measurement of growth and decay of radiation damage in fiber optical waveguides (A), JOSA 67: 707  
 Integrally formed optical circuit with gradient refractive index (P), AO 15: 1888  
 Integrating sphere for measuring scattering loss in optical fiber waveguides (E), AO 13: 1900  
 Interdependence of waveguide and material dispersion (T), AO 18: 2930  
 Interferometric determination of the intermodal delay of an optical fiber (A), JOSA 69: 1448  
 Inverse Raman scattering; continuous generation in optical fibers (A), JOSA 68: 1383  
 Isotopic chemical vapor deposition of fused silica and high-silica-content glasses for the production of low-loss optical waveguides (E) (L), AO 16: 1453  
 Large-core, broadband optical fiber (T), OL 1: 169  
 Large laser energy and power densities through optical fibers (A), JOSA 68: 1408  
 Laser beam refraction traversely through a graded-index preform to determine refractive index ratio and gradient profile (E), AO 18: 2214  
 Laser drawing of optical fibers (E), AO 13: 1383  
 Laser heating of an optical fiber (T), AO 15: 1304  
 Laser 77: Opto-Electronics; Conference Proceedings. Edited by W. Waidelich (B), Reviewed by Baker, L. R., AO 17: 2864  
 Laser Raman a fibre émettant dans un tres large domaine spectral (E), AO 17: 1208  
 Lasers for fiber optics (A), JOSA 66: 391  
 Launch dependent loss in short lengths of graded-index multimode fibers (E), AO 17: 2825  
 Launching efficiencies of the HE<sub>1m</sub> modes in a self-focusing optical fiber waveguide (T), AO 14: 1543  
 Leaky modes in graded index optical fibers (T), AO 15: 2773  
 Leaky modes on a dielectric waveguide: orthogonality and excitation (T), AO 15: 1040  
 Leaky modes on a dielectric waveguide: orthogonality and excitation (errata), AO 15: 2953  
 Leaky modes on circular optical waveguides (T), AO 15: 477  
 Leaky modes on W-fibers: mode structure and attenuation (TE), AO 16: 2198  
 Leaky rays on circular optical fibers (T), JOSA 64: 599  
 LED reference channel nonlinearities (E) (L), AO 18: 1481  
 Length dependence of pulse dispersion in a long multimode optical fiber (E), AO 14: 1357  
 Length optimization of an S-shaped transition between offset optical waveguides (T), AO 17: 763  
 Light absorption in visual photoreceptors (T), JOSA 64: 216  
 Light acceptance property of an optical fiber (T), AO 13: 1889  
 Light beam propagation along helical bands of parabolic index optical fibers (T), AO 15: 2792  
 Light distribution in optical waveguides (TE), JOSA 68: 310  
 Light guide to photomultiplier coupler (TE) (L), AO 13: 1006  
 Light-induced refractive index changes in Ge-doped silica fiber (A), JOSA 68: 1627  
 Light propagation in graded-index optical fibers (T), AO 17: 3990  
 Light scattering from elliptical fibers (T), AO 13: 1903  
 Light scattering from micron-size fibers (TE), JOSA 67: 564  
 Light scattering from optical fibers with arbitrary refractive-index distributions (T), JOSA 65: 367  
 Light scattering from unclad fibers: ray theory (T), AO 14: 1528  
 Light scattering from unclad fibers: approximate ray theory of backscattered light (TE), AO 15: 2751  
 Light scattering in optical waveguides (T), AO 17: 3226  
 Light transmitting fiber bundle connector (P), AO 18: 748  
 Lightwave fiber tap (E), AO 17: 2215  
 Light waves guided by a single curved metallic surface (TE), AO 17: 316  
 Limitations imposed by material dispersion on the measurement of optical fiber bandwidth with laser diode sources (A), JOSA 69: 1448  
 Limitations in CO<sub>2</sub> laser fiber drawing (A), JOSA 67: 706  
 Liquid-core fibre-optic waveguides (P), AO 15: 584  
 Liquid-crystal fiber-optic switch (E), OL 4: 155  
 Loss and pulse distortion in fundamental mode transmission through randomly bent fibers (A), JOSA 67: 707  
 Losses due to core-cladding interface imperfection and their reduction in optical fibers made by CVD technique (A), JOSA 67: 709  
 Loss measurements in optical fibers. 1: Sensitivity limit of bolometric techniques (T), AO 13: 2518  
 Loss measurements in optical fibers. 2: Bolometric measuring instrumentation (E), AO 13: 2522  
 Loss measurements in optical fiber ribbons using calorimetry (E) (L), AO 17: 2484  
 Low-birefringence single-mode optical fibers: preparation and polarization characteristics (E) (L), AO 17: 3035  
 Low-frequency Raman spectra of silica fibers (A), JOSA 68: 1383



- Low-loss access coupler for multimode optical fiber distribution networks (E) (L), AO 16: 1794
- Low-loss FEP-clad silica fibers (E), AO 14: 156
- Low loss fiber for 950 nm (P), AO 18: A214
- Low-loss, fluorocarbon-polymer-clad silica fibers (A), JOSA 64: 526
- Low loss fused silica made by the plasma torch (E) (L), AO 13: 744
- Low loss glass suitable for optical fiber (P), AO 18: 750
- Low-loss signal coupler for optical communications and integrated optics (P), AO 18: 261
- Low-loss single-mode fibers with different  $B_2O_3$ - $SiO_2$  compositions (ET), AO 17: 1836
- Low mode dispersion optical fiber (P), AO 18: 3347
- Low V-number optical fibers: secondary maxima in the far-field radiation pattern (E), JOSA 69: 1587
- Magneto-optical properties of gradient-index optical fibers (ET), AO 15: 799
- Material dispersion in optical fibers (T), AO 18: 31
- Measurement of differential mode attenuation in graded-index fiber optical waveguides (A), JOSA 67: 707
- Measurement of loss and output numerical aperture of optical fiber splices (A), JOSA 67: 1372
- Measurement of loss and output numerical aperture of optical fiber splices (E), AO 17: 642
- Measurement of mode conversion coefficients and mode dependent losses in a multimode fiber (ET), AO 17: 3238
- Measurement of optical fiber coating concentricity (A), JOSA 67: 709
- Measurement of refractive-index profile and transmission characteristics of a single-mode optical fiber from its exit-radiation pattern (ET), AO 18: 3265
- Measurement of sensitivity of optical fibers for acoustic detection (E), AO 18: 938
- Measurement of spectral total and scattering losses in unclad optical fibers (ET), JOSA 64: 469
- Measurements of the absorption coefficient in fiber optical waveguides using a calorimetric technique (ET) (L), AO 14: 1258
- Measurements of the baseband frequency response of a 1-km fiber (E), AO 13: 266
- Measurement technique of OH-ion distribution profile in rod preform of silica-based optical fiber waveguides (E), AO 17: 2570
- Mechanical one-to-many fiber-optic switch (ET), AO 18: 2068
- Method and apparatus for forming optical cables (P), AO 18: 3669
- Method for measuring the parameters of optical fibers (P), AO 17: 1470
- Method of drawing optical filaments (P), AO 18: 3669
- Method of manufacturing an optical fibre light waveguide (P), AO 15: 1889
- Microbending losses of doubly clad (W-type) optical fibers (ET), AO 16: 2391
- Micro-lenses for coupling junction lasers to optical fibers (E), AO 13: 89
- Micro-lenses to improve LED-to-fiber optical coupling and alignment tolerance (ET), AO 18: 3694
- Minimal dispersion refractive index profiles (T), AO 18: 2927
- Minimum dispersion in a single-mode step-index optical fiber (T), AO 18: 2516
- Misalignment in imaging multifibers (E), AO 17: 3503
- Mixer for optical waveguide bundle (P), AO 15: 1346
- Modal caustics and dispersion mechanism in optical fibers (T), OL 2: 25
- Modal dispersion in fibers with any N.A. and any profile dispersion (A), JOSA 67: 707
- Modal dispersion in lightguides in the presence of strong coupling (T), JOSA 68: 1586
- Modal dispersion in multicore fibers (A), JOSA 69: 1448
- Modal dispersion in multimode graded-index fibers (T), AO 14: 2578
- Modal fields in graded-index fibers: comparison between perturbation theory and evanescent field theory (T) (L), AO 18: 3
- Modal treatment of an optical fiber with a modified hyperbolic secant index distribution (T), JOSA 69: 960
- Mode classification and cutoff conditions in fiber optical waveguides (A), JOSA 67: 1372
- Mode conversion coefficients in optical fibers (ET), AO 14: 1538
- Mode conversion in bent step index multimode fibers (E) (L), AO 15: 2308
- Mode conversion losses of randomly bent, singly and doubly clad waveguides for single mode transmission (T), AO 15: 2778
- Mode coupling coefficient measurements in optical fibers (E), AO 17: 3979
- Mode coupling effects in graded-index optical fibers (T), AO 14: 935
- Mode coupling in a multimode optical fiber with microbends (ET), AO 14: 2400
- Mode dependent attenuation in parabolic optical fibers (T), AO 16: 1639
- Mode-dependent attenuation of optical fibers: excess loss (T), AO 15: 1045
- Mode elimination in fiber loss measurements (E) (L), AO 18: 756
- Mode excitation by tilted and offset Gaussian beams in W-type fibers (T), AO 17: 2842
- Mode mixing effects in optical fibers caused by sheathing and multistranding: measurements (E), AO 17: 3660
- Mode scrambler for optical fibers (E), AO 16: 1045
- Mode selective filtering by a coupling mechanism between glass fiber and thin-film slab waveguide (E) (L), AO 13: 2757
- Modes in fiber optical waveguides with ring index profiles (T), AO 14: 1533
- Modes in graded noncircular multimode optical fibers (ET), OL 4: 414
- Modes of dielectric waveguides of arbitrary cross sectional shape (T), JOSA 69: 1226
- Modes of optical waveguides (T), JOSA 68: 297
- Mode transducer for optical waveguides (P), AO 17: 1470
- Modified evanescent wave theory for evaluation of propagation constants and group delays of graded-index fibers (T) (L), AO 18: 3719
- Modified ray tracing in a dielectric rod (T) (L), AO 13: 2459
- Modified zigzag-ray model in a dielectric slab optical waveguide (T) (L), AO 15: 317
- Modulation transfer function of a 210-70-mm fiber-optic output x-ray image intensifier tube (E) (L), AO 14: 1484
- Monomode dispersion for fibers with parabolic step- and index profiles (A), JOSA 67: 1373
- Monomode fiber design: power containment (T) (L), AO 16: 1465
- Moving optical-fiber switch experiment (E), AO 17: 3675
- Multigroove embossed-plastic splice connector for joining groups of optical fibers (E), AO 14: 3026
- Multimode delay compensation in fibers with profile distortions (T), AO 18: 4003
- Multimode fiber coupler (ET), AO 17: 2077
- Multimode fiber optic interferometry (A), JOSA 69: 1448
- Multimode fiber-optics coupler with low insertion loss (ET), AO 17: 3248
- Multimode fiber with z-dependent  $\alpha$ -value (T), AO 18: 2229
- Multimode inhomogeneous fiber couplers (T), AO 18: 489
- Multimode optical fiber (P), AO 17: 1474
- Multimode optical fiber interferometer (A), JOSA 68: 1384
- Multimode optical fibers: interplay of absorption and radiation losses (T), AO 15: 1295
- Multimode optical fibers: steady state mode exciter (E), AO 15: 2116
- Multimode optical multiplexing with low-voltage drivers (ET), OL 3: 136
- Multimode optical waveguides with graded refractive index: theory of power launching (T), AO 15: 2765
- Multimode waveguide: a low-pass filter: supplementary comments (T) (L), AO 13: 1754
- Multimode waveguide with enhanced coupling with guided modes (P), AO 18: 4005
- Multiple- $\alpha$  index profiles (T), AO 18: 683
- Narrow-band Bragg reflectors in optical fibers (E), OL 3: 66
- Neodymium-doped fiber lasers: room temperature cw operation with an injection laser pump (E) (L), AO 13: 1256
- New fiber breaking tool (E) (L), AO 16: 2604
- New Gutenberg (N), AO 16: 1767
- New light-focusing fibers made by a continuous process (E), AO 13: 255
- Next fiber optic breakthrough? (A), JOSA 67: 1371
- Noise in fiber optics communications systems induced by ionizing radiation (E) (L), AO 13: 2190
- Nondestructive determination of refractive index profile of an optical fiber: backward light scattering method (TE), AO 18: 1110
- Nondestructive determination of refractive index profile of an optical fiber: fast Fourier transform method (TE), AO 18: 1117
- Nondestructive interferometric measurement of the delta and alpha of clad optical fibers (ET), AO 16: 2368
- Nonlinearities in optical fiber waveguides (A), JOSA 67: 1361
- Nonlinear pulse propagation in optical fibers (T), OL 3: 202
- Normal modes of an infinite hexagonal array of identical circular dielectric rods (T), JOSA 64: 1136
- Number of modes on optical waveguides (T) (L), JOSA 65: 356
- Optical access couplers and a comparison of multiterminal fiber communication systems (TE), AO 15: 244
- Optical code reader (P), AO 13: 1727
- Optical communication cable (P), AO 18: 3220
- Optical coupler for transmitting light linearly between a single point and plural points (P), AO 18: 3718
- Optical couplers for fiber optic communication links (P), AO 17: 1473
- Optical coupling from fibers to channel waveguides formed on silicon (E), AO 17: 895
- Optical data links for short-haul high-level performance at 16 and 32 Mb/s (A), JOSA 67: 709
- Optical design for fiber optic diameter measurement instrument (A), JOSA 66: 1123
- Optical directional coupler (A), JOSA 67: 708
- Optical dispersion of unclad fibers over limited wavelengths (E) (L), AO 13: 465
- Optical fiber acoustic sensor (E) (L), AO 16: 1761
- Optical fiber acoustic sensor utilizing mode-mode interference (E), AO 18: 666
- Optical fiber bundle with reinforced end portions (P), AO 18: 3219
- Optical fiber cable (P), AO 18: 749
- Optical fiber coating concentricity: measurement and analysis (ET), AO 16: 2383
- Optical fiber communications systems: twenty-third International Scientific Congress on Electronics, Rome, 22-24 Mar 1976 (M), Reported by Righini, Giancarlo C., AO 15: 2291
- Optical fiber data communications link (P), AO 18: 3221
- Optical-fiber directional coupler (A), JOSA 66: 391
- Optical fiber eigenvalue equation: plane wave derivation (T), AO 15: 2121
- Optical fiber end preparation using a  $CO_2$  laser (E), AO 17: 1210
- Optical fiber fault location method (E), AO 15: 1385
- Optical fiber gyroscopes: Sagnac or Fizeau effect? (TE) (L), AO 18: 1293
- Optical fiber manufacture (P), AO 18: 3669
- Optical fiber 800-Mbit/sec transmission experiment at 1.05  $\mu m$  (E), AO 17: 2420
- Optical fiber modes using stimulated four photon mixing (E), AO 15: 239
- Optical fiber phase discriminator (ET), AO 17: 3665
- Optical fiber preform diagnostics (E), AO 18: 23
- Optical fiber preform measurement using forward light scattering (A), JOSA 69: 1462
- Optical fiber refractometry by interference microscopy: a simplified method (E), AO 17: 3647
- Optical fibers bundle positioning ferrule (P), AO 18: 3892
- Optical fibers for communication (R), AO 13: 249
- Optical fibers for dispersion in the time domain (T) (L), AO 15: 1907
- Optical Fibers for Transmission. By John E. Midwinter (B), Reviewed by Gottlieb, Milton, AO 18: 3164
- Optical fiber splicer (P), AO 18: 3346
- Optical fiber splicing (A), JOSA 67: 708
- Optical fiber splicing technique with a  $CO_2$  laser (E) (L), AO 15: 320
- Optical fiber splicing with a low-power  $CO_2$  laser (E), AO 16: 1636
- Optical fibers supersede millimetric waveguide (N), AO 17: 3407



- Optical fiber-stripline-coupler (E), AO 14: 1225
- Optical fiber switch driven by PZT bimorph (E) (L), AO 17: 3531
- Optical fibers with helical gradations in composition (P), AO 18: 750
- Optical fiber taper couplers: diameter and slope measurements (A), JOSA 67: 1372
- Optical fiber television screen (P), AO 18: 1287
- Optical fiber transmission compensator (P), AO 17: 1985
- Optical fiber transmission line (P), AO 15: 583
- Optical fiber transmission lines (A), JOSA 66: 291
- Optical fiber transmission mixer (P), AO 18: 3220
- Optical fiber transmission properties before and after cable manufacture (A), JOSA 67: 707
- Optical fiber transmission system for 32 Mb/s (A), JOSA 67: 708
- Optical fiber transmission system studies in the U.K. post office (A), JOSA 67: 708
- Optical fiber wave splitting coupler (E) (L), AO 15: 2031
- Optical fiber with porous cladding (P), AO 15: 1887
- Optical Fibre Waveguides. Edited by P. J. B. Clarricoats (B). Reviewed by Tomlinson, W. J., JOSA 67: 982
- Optical field mapping using single-mode optical fibers (E), AO 17: 1965
- Optical loss measurement in graded-index fiber using a dummy fiber (E), AO 18: 3272
- Optical path length equalizer with graded refractive index (P), AO 18: 3925
- Optical propagation in W-fibers with rectangular core (T) (L), AO 18: 2909
- Optical rearrangement of light information transmitted through incoherent fiber bundles (A), JOSA 68: 1384
- Optical sampling transient analyzer system (E), AO 15: 1404
- Optical switch for multimode optical-fiber systems (E), OL 4: 27
- Optical systems for electric power companies (A), JOSA 67: 709
- Optical time domain reflectometer (E), AO 16: 2375
- Optical time domain reflectometer: comment (T) (L), AO 17: 1675
- Optical transmission fiber (P), AO 17: 1470
- Optical transmission line (P), AO 15: 8
- Optical wave guide (P), AO 17: 1667
- Optical waveguide cable connection (E), AO 15: 2785
- Optics of Guided Waves, Colloquium, Paris, 8-11 Apr 1975 (M). Reported by Ostrowsky, D. B., AO 14: 1473
- Optimized layout for a data bus system based on a new planar access coupler (TE), AO 16: 3140
- Optimum refractive-index difference for graded-index fibers, due to concentration-fluctuation scattering (A), JOSA 64: 527
- Opto-mechanical properties of fibers (A), JOSA 67: 707
- Output power stability of GaAlAs laser transmitters using an optical tap for feedback control (E), AO 18: 1262
- Paired optical-fiber switch for optical data-bus systems (E), OL 4: 346
- Parabolic fiber cutoffs: a comparison of theories (T), JOSA 67: 1185
- Parallel image transmission by a single optical fiber (ET), OL 2: 133
- Partially clad triangular-core glass optical fibers (A), JOSA 64: 526
- Partially clad triangular-cored glass optical fibers and lasers (E), JOSA 64: 1415
- Phase-nulling fiber-optic laser gyro (ET), OL 4: 93
- Photodetector packaging assembly (P), AO 13: 1976
- Photoreceptor diameter and spacing for highest resolving power (T) (L), JOSA 67: 696
- Physical behavior of the neck-down region during furnace drawing of silica fibers (A), JOSA 67: 706
- Planar optical coupler for a data bus system with single multimode fibers (ET), AO 16: 2195
- Planar Optical Waveguides and Fibers. By H. G. Unger (B). Reviewed by Gloge, D., AO 18: 411
- Planar Optical Waveguides and Fibers. By H.-G. Unger (B). Reviewed by Marcuse, Dietrich, JOSA 68: 1648
- Plastic focusing fiber for imaging application (A), JOSA 66: 385
- Plastic focusing fiber for imaging applications (ET), AO 16: 1305
- Polarization and magneto-optic properties of single-mode optical fiber (ET), AO 17: 52
- Polarization characteristics of noncircular core single-mode fibers (ET), AO 17: 3014
- Polarization effects in short-length, single-mode fibers (A), JOSA 67: 707
- Polarization mode dispersion in single-mode fibers (E), OL 3: 60
- Polarization optics of index-gradient optical waveguide fibers (TE), AO 14: 2406
- Polarization optics of liquid-core optical fibers (ET), AO 16: 1315
- Polarization optics of twisted single-mode fibers (TE), AO 18: 2241
- Polymer-clad fused-silica optical fiber (E) (L), AO 13: 1
- Power handling capability of glass fiber lightguides (E) (L), AO 13: 467
- Power of modes propagating inside a dielectric rod (T) (L), JOSA 64: 393
- Power transfer between nonparallel and tapered optical fibers (T), JOSA 64: 285
- Power transfer between nonparallel and tapered optical fibers (errata), JOSA 65: 351
- Precision transfer molded single-fiber optical connector (A), JOSA 67: 708
- Prediction of fiber transmission characteristics from arbitrary refractive-index profiles (A), JOSA 69: 1462
- Preform index profiling (PIP) (E), AO 18: 671
- Preparation of silica glass using a CO<sub>2</sub> laser (E) (L), AO 14: 2817
- Pressure sensitivity of a clad optical fiber (T), AO 18: 4085
- Production experience with PSP optical fiber cable for the Martlesham/Ipswich link (A), JOSA 67: 709
- Profile synthesis in multicomponent glass optical fibers (A), JOSA 66: 1101
- Profile synthesis in multicomponent glass optical fibers (T), AO 16: 108
- Progress in optical waveguide process and materials (ER), AO 18: 3684
- Progress in silica fibers with fluorine dopant (A), JOSA 67: 706
- Progress toward practical military fiber optical communication systems (A), JOSA 67: 709
- Propagation constants and group delays of guided modes in graded-index fibers: a comparison of three theories (T), AO 18: 2837
- Propagation in a weakly anisotropic waveguide (T), AO 16: 2204
- Propagation in graded-index fibers: comparison between experiment and three theories (TE), AO 17: 2831
- Propagation model for long step-index optical fibers (TE), AO 15: 3040
- Propagation of a Gaussian pulse through an optical fiber: applicability of geometrical optics (T) (L), AO 14: 2330
- Propagation of infrared light in flexible hollow waveguides (T), AO 15: 145
- Propagation of IR light in flexible hollow waveguides (T) (errata), AO 15: 2028
- Propagation of modes in curved hollow metallic waveguides for the infrared (T), AO 16: 2163
- Propagation of rectangular and Gaussian pulses in a self-focusing optical fiber (T), AO 17: 57
- Propagation of truncated Gaussian beams in multimode fiber guides (T), JOSA 68: 989
- Properties of a multimode electro-optic polarization switch for fiber optics (A), JOSA 65: 1214
- Prospects for optical-fiber communication (A), JOSA 65: 1220
- Proximal scanning systems: improved resolution using inclined optical fibers (T), AO 15: 1299
- Pseudo-fiber optics made from phase separated glass (P), AO 14: 2038
- Pulse broadening caused by deviations from the optimal index profile (T), AO 15: 782
- Pulse broadening in graded-index optical fibers (TE), AO 15: 483
- Pulse broadening in long-span single-mode fibers around a material-dispersion-free wavelength (E), OL 2: 106
- Pulse broadening in optical fibers (T) (L), AO 16: 2583
- Pulse broadening in optical fibers (errata), AO 17: 2272
- Pulse broadening in optical fibers with mode mixing (T), AO 18: 2192
- Pulse circulation measurement of transmission characteristics in long optical fibers (E), AO 16: 2175
- Pulse delay measurements in the zero material dispersion wavelength region for optical fibers (ET), AO 16: 3136
- Pulse dispersion measurements in conventional Selfoc fibers (E), AO 18: 1106
- Pulse distortion in the ultimate multimode optical fiber (T), AO 15: 1290
- Pulse separating in transmission characteristics of multimode graded-index optical fibers (E), AO 15: 1307
- Pulse spreading in a single-mode fiber due to third-order dispersion (T), AO 18: 678
- Pulse spreading in a single-mode optical fiber due to third-order dispersion: effect of optical source bandwidth (T), AO 18: 2237
- Pulse transmission measurements for determining near optimal profile gradings in multimode borosilicate optical fibers (ET), AO 15: 1808
- Pulse widening in a multimode optical fiber excited by a pulsed GaAs LED (E), AO 13: 264
- Radial distribution of the refractive index in light-focusing rods: determination using Interphako interference microscopy (ET), AO 16: 1050
- Radiation characteristics of a tapered cylindrical optical fiber (ET), JOSA 68: 1191
- Radiation effects in light pipes and light pipe isolators (E) (L), AO 13: 1272
- Radiation from dielectric optical waveguides: a comparison of techniques (T) (L), AO 16: 1470
- Radiation losses of parabolic-index slabs and fibers with bent axes (T), AO 17: 755
- Radiation losses of the HE<sub>11</sub> mode of a fiber with sinusoidally perturbed core boundary (T), AO 14: 3021
- Radiation loss of a helically deformed optical fiber (T), JOSA 66: 1025
- Radiation response of low-loss silicone clad silica fiber (A), JOSA 67: 707
- Radius of unclad optical fiber from back-scattered radiation pattern, JOSA 65: 1311
- Raman 1.1  $\mu$ m fiber oscillator tuned by group velocity dispersion (A), JOSA 67: 709
- Rapid optical fiber delta measurement by refractive index tuning (E), AO 16: 2738
- Ray attenuation in lossless dielectric structures (T), JOSA 64: 956
- Ray delay in gradient waveguides with arbitrary symmetric refractive profile (T), AO 13: 1045
- Ray launching and observation in graded-index optical fibers (T), JOSA 69: 294
- Rays, stored energy, and power flow in dielectric waveguides (T), JOSA 64: 174
- Ray theory of randomly bent multimode optical fibers (T), OL 3: 63
- Ray trajectories in optical fiber tapered sections (T), AO 17: 3670
- Reciprocity of birefringent single-mode fibers for optical gyros (T) (L), AO 18: 2096
- Reduction of pulse dispersion in imperfect multimode fibers (T) (L), AO 15: 869
- Reflection losses from imperfectly broken fiber ends (T), AO 14: 3016
- Refracting leaky rays in graded-index fibers (T), AO 17: 2205
- Refractive index and diameter determinations of step index optical fibers and preforms (E), AO 13: 2882
- Refractive index and diameter measurements of unclad optical fibers (TE), JOSA 64: 280
- Refractive index and energy-gap behavior of the borosilicate-glass system (A), JOSA 64: 525
- Refractive index determination by the focusing method (T), AO 18: 9
- Refractive-index profile determination of optical fibers from the diffraction pattern (T) (L), AO 16: 2802
- Refractive-index profile determination of optical fibers by spatial filtering (T) (L), AO 17: 14
- Refractive index profile of a graded-index fiber: measurement by a reflection method (E) (L), AO 14: 814
- Refractive-index profile of an optical fiber: its measurement by the scattering-pattern method (ET), AO 15: 2756
- Refractive-index profiling of single-mode optical fibers and preforms (E), AO 18: 4006
- Remote detection of CARS employing fiber optic guides (E) (L), AO 18: 3215
- Representation of codirectional coupled waves (T), OL 1: 109
- Results on the direct measurement of absorption losses in optical fibers (A), JOSA 69: 1462



- Review of studies on coating for optical fibers at Bell Laboratories (A), JOSA 67: 706
- Ring interferometer 950 m long (E) (L), AO 16: 290
- Robust fiber-optic interconnecting wires using redundancy (T), AO 14: 1228
- Scalar and vector mode relations in gradient-index light guides (T), JOSA 65: 1235
- Scattering from a localized inhomogeneity in a clad fiber optical waveguide. 1: Radiation loss (T), AO 15: 2131
- Scattering from side-illuminated clad glass fibers for determination of fiber parameters (TE), JOSA 64: 767
- Scattering from thin and finite dielectric fibers (T), JOSA 68: 194
- Selective mode excitation of graded index optical fibers (E), AO 17: 463
- Self-aligning optical waveguide connector (P), AO 15: 1888
- Self-phase modulation in silica optical fibers (A), JOSA 66: 1101
- Sensitivity analysis of the Sagnac-effect optical-fiber ring interferometer (T), AO 18: 915
- Short-sample transmission-loss measurements in optical fibers (A), JOSA 64: 526
- Shutterless fiber optic switch (P), AO 18: 3937
- Shuttle pulse measurements of pulse spreading in an optical fiber (E), AO 14: 1351
- Shuttle pulse measurements of pulse spreading in a low loss graded-index fiber (E), AO 14: 1361
- Side launch excitation of selected modes in graded-index optical fibers (ET), AO 17: 3245
- Signaling in monomode fibers (A), JOSA 69: 1457
- Silicon avalanche photodiode receiver for optical-fiber transmission systems (A), JOSA 66: 391
- Simple interconnections in thin-film guided-wave optics (E) (L), AO 16: 816
- Simple method for permanently connecting single-mode fibers (E) (L), AO 16: 1466
- Simplified bending loss formula for single-mode optical fibers (T) (L), AO 18: 951
- Simultaneous measurement of absorption and scattering losses in bulk glass and optical fibers using a new microcalorimetric method (A), JOSA 64: 1366
- Single-crystal fiber-optical devices: a Nd:YAG fiber laser (A), JOSA 65: 1221
- Single fiber interferometric acoustic sensor (E) (L), AO 17: 330
- Single material optical fiber structures including thin film supporting members (P), AO 15: 325
- Single-mode fiber-optical polarization rotator (E), AO 18: 1857
- Single-mode fiber-optical power divider: encapsulated etching technique (E), OL 4: 29
- Single-mode-fiber refractive-index profile measurement by reflection method (E), AO 17: 475
- Single-mode fibers with different  $B_2O_3$ - $SiO_2$  compositions (A), JOSA 67: 707
- Single-mode optical fiber cable (E), AO 18: 2232
- Single mode optical fiber pickoff coupler (E) (L), AO 15: 2310
- Single-mode optical waveguides (T), AO 18: 1490
- Single polarization optical fibers: slab model (A), JOSA 68: 1407
- Single polarization optical fibers: exposed cladding technique (A), JOSA 68: 1408
- Sizing composition and glass fibers sized therewith (P), AO 15: 1888
- Skew rays in optical fibers (TE), AO 14: 1345
- Solid-dielectric compound parabolic concentrators: on their use with photovoltaic devices (E), AO 15: 2434
- Speckle-pattern visibility of light transmitted through a multimode optical fiber (TE) (L), JOSA 66: 1312
- Spectral transmission characteristics and chromatic dispersion of UV optical fibers (E), AO 14: 2585
- Spectroscopic characteristics of small dielectric cones (A), JOSA 67: 1372
- Splice losses in step-index fibers: dependency on fiber-break angle (E), AO 16: 2372
- Splice losses in step-index fibers: dependency on fiber-break angle (errata), AO 16: 2774
- Splice loss evaluation for optical fibers with arbitrary-index profile (T), AO 17: 2848
- Splicing and bending losses of single-mode optical fibers (T), AO 17: 3653
- Splicing silica fibers with an electric arc (E), AO 15: 796
- Spot size of graded-index single-mode fibers: profile-independent representation and new determination method (TE), AO 18: 932
- Star coupler: a unique interconnection component for multimode optical waveguide communications systems (E), AO 13: 2540
- Star repeaters for fiber optic links (E), AO 16: 501
- Status of fiber transmission technique in Germany (A), JOSA 67: 708
- Steady-state characteristics of multimode W-type fibers (T), AO 18: 3261
- Stimulated Raman scattering in multimode fibers (A), JOSA 67: 707
- Strength and static fatigue of epoxy-acrylate coated optical glass fibers (A), JOSA 67: 706
- Suppression of some artifacts of modal noise in fiber-optic systems (E), OL 4: 295
- Tapered parabolic-index fiber waveguide (T) (L), AO 18: 1482
- Technical equipment for optical fiber lines (A), JOSA 66: 290
- Television camera for display of angular patterns from optical fibers (E) (L), AO 16: 3082
- Temperature monitor (P), AO 18: 3221
- Temporal spreading of a pulse propagating in a two-mode optical fiber (T), JOSA 69: 1596
- Tensile strengths of long lengths of coated silica fibers (A), JOSA 67: 706
- Ternary fiber glass composition for minimum modal dispersion over a range of wavelengths (A), JOSA 67: 709
- Test apparatus for optical waveguides (P), AO 18: 3925
- Theory of a cw fiber Raman oscillator (A), JOSA 68: 1383
- Theory of Bragg fiber (T), JOSA 68: 1196
- Theory of cw Raman oscillation in optical fibers (T), JOSA 69: 803
- Theory of nonlinear pulse propagation in inhomogeneous waveguides (T), OL 4: 164
- Theory of time-dependent propagation in multimode lightguides (T), JOSA 67: 1300
- Thermal dependence of cross talk in multicore fibers (A), JOSA 69: 1462
- Time-domain-holography modulation and optical fiber communication (A), JOSA 68: 1384
- Time multiplexed spectrometer for time-resolved spectroscopy and optical fiber measurements (A), JOSA 69: 1462
- Torsion effects on fractured fiber ends (E) (L), AO 18: 1480
- Transfer function of long spliced graded-index fibers with mode scramblers (E), AO 17: 63
- Transmission characteristics of step-index fibers and optical fiber cables (A), JOSA 67: 707
- Transmission characteristics of three Corning multimode optical fibers (E), AO 13: 2359
- Transmission characteristics of graded-index optical fibers with a lossy outer layer (TE), AO 17: 1199
- Transmission characteristics of multimode W-type optical fiber: experimental study of the effect of the intermediate layer (ET), AO 17: 2836
- Transmission of Gaussian pulses through monomode dielectric optical waveguides (T) (L), AO 16: 22
- Transverse coupling and front-mirror monitoring for feedback control of laser transmitters (E), AO 18: 4095
- Tunable near-infrared Raman oscillators and their applications (A), JOSA 67: 1361
- Tunneling leaky modes in a parabolic index fiber (ET), AO 15: 1936
- Two-dimensional silicon grooves for altitudinal alignment in fiber end-butt coupling (E), OL 3: 73
- Two wavelength measurements of optical waveguide parameters (E), AO 14: 946
- Ultraviolet-cured epoxy-acrylate coatings on optical fibers III. Effect of environment on long-term strength (A), JOSA 67: 706
- Ultraviolet-cured epoxy-acrylate coatings on optical fibers I & II. Chemistry and application (A), JOSA 67: 706
- Unidirectional star coupler for single-fiber distribution systems (E), OL 1: 124
- Uniform asymptotic description of dispersive pulse propagation (A), JOSA 69: 1448
- Use in facsimile apparatus (P), AO 14: 1241
- Use of optical fibers as instrumentation transducers (A), JOSA 66: 382
- Vacuum-assisted silicon-chip multifiber chuck (E) (L), AO 16: 1464
- Vector wave analysis of broadband multimode optical fibers with optimum refractive index distribution (T), JOSA 68: 577
- Vibration-induced modulation of fiber guide transmission (A), JOSA 67: 707
- Viewing refractive-index profiles and small-scale inhomogeneities in glass optical fibers: some techniques (E), AO 13: 2365
- Visibility of interference fringes: effect of the optical guide length in coherent light (E), AO 16: 494
- Visibility of interference fringes produced by two beams of coherent light passing through two optical guides (E) (L), AO 17: 13
- Visibility of speckle patterns: effect of the optical guide length in coherent light (E) (L), AO 15: 609
- Wavelength dependence of pulse dispersion in graded-index fibers (A), JOSA 69: 1457
- Wavelength dependence of spliced graded-index multimode fibers (ET), AO 18: 1449
- Wavelength multiplexing in multimode optical fibers (T), AO 16: 2180
- Way to make the index fall smoothly from the center outward (P), AO 14: A52
- Wedge reflector for fiber optic bundle (P), AO 15: 1888
- W fiber design considerations (T), AO 15: 1930
- Whispering and bouncing modes in elliptical optical fibers (T), JOSA 69: 1255
- Woven fiber optics, AO 14: 280
- W-type optical fiber: relation between refractive index difference and transmission bandwidth (ET) (L), AO 15: 1121

## Filters

See also Coatings, Thin films

- Anomalies of electromagnetic waves in multilayered structures containing anisotropy (T), JOSA 68: 1693
- Optical constants of absorbing materials by transmission interferometry on medium-thickness films (TE), JOSA 69: 725
- Photo-induced stopping of guided light in dye doped polyurethane films (E) (L), AO 16: 23

## Filters

See also Coatings, Thin films

- Absorption de la lumière d'un laser He-Ne par des pieges chrome-sulfure de zinc (E) (L), AO 13: 464
- Acoustooptic filter (P), AO 15: 2609
- Acoustooptic  $TeO_2$  tunable filter using far-off-axis anisotropic Bragg diffraction (ET), AO 15: 2250
- Acousto-optic tunable filter using  $LiNbO_3$  crystal (A), JOSA 66: 385
- Analytical description of a Fabry-Perot spectrometer. 3: Off-axis behavior and interference filters (TE), AO 13: 2654
- Anti-laser optical filter assembly (P), AO 13: 2439
- Antireflection coating with a composite middle layer (P), AO 18: 3220
- Aperiodic distributed-parameter waveguides for integrated optics (T), AO 13: 1853
- Apodization filtering applied to a bandlimited optical Fourier transformer (ET), AO 15: 690
- Approximate analysis of optical waveguide grating coupling coefficients (T), AO 15: 774
- Attenuation of giant laser pulsed by absorbing filters (E), AO 14: 2203
- Bandpass filter design (A), JOSA 66: 161
- Bandpass filtering of moving-object laser heterodyne-signals by finite apertures (T), AO 17: 1194
- Bandpass filters for use in the visible region (E), AO 16: 1908
- Bandpass filter with absorbing materials (A), JOSA 66: 162
- Birefringent filters for tuning flashlamp-pumped dye lasers: simplified theory and design (T), AO 17: 1944
- Black-and-white diffractive light filter (P), AO 18: 748
- Blue-green laser communication filter-receiver (A), JOSA 69: 1427
- Can a coherent optical filter compensate post-detection spatial blur? (A), JOSA 68: 1375
- Chirped reflection gratings for wideband optical waveguide filters (A), JOSA 67: 1392
- Class of optimum spatial filters (T), JOSA 65: 182
- Collinear acoustooptical tunable filter and acoustooptically with tunable laser (P), AO 16: 1815



- Color diffractive subtractive filter master recording plurality of superposed two-level substrate (P), AO 18: 3958
- Colored filter glasses: an intercomparison of glasses made by different manufacturers (R), AO 16: 1491
- Colored glass filters available (N), AO 13: 1827
- Conical axicons used as optical polarizers (T) (L), AO 14: 1482
- Continuously tunable optical filter for use in resonance Raman spectroscopy (E), AO 16: 252
- Contrast enhancement of light emitting diode displays (T), AO 13: 2248
- Convexity theorem for subthreshold stimuli in linear models of visual contrast detection (T), JOSA 68: 456
- Convolution and correlation of real 1-D signals by frequency-plane filtering (TE) (L), AO 18: 3885
- Defects in commercial interference filters (E) (L), AO 16: 2799
- Design of optical filters. Part 2 (T) (L), AO 18: 1478
- Design of three-layer equivalent films (T) (L), JOSA 68: 137
- Designs to reduce the angle shift of multilayer dielectric edge and bandpass filters (A), JOSA 65: 1195
- Diffraction gratings for color filtering in the zero diffraction order (ET), AO 17: 3598
- Digital Filters and the Fast Fourier Transform. Edited by Bede Liu (B). Reviewed by Lozier, D. W., AO 15: 2293
- Direct, quasi-telecentric, and telecentric combinations of interference filters with large astronomical Schmidt cameras (E), AO 17: 1271
- Drift in interference filters. Part 1 (E), AO 13: 2675
- Drift in interference filters. 2: Radiation effects (ET), AO 13: 2680
- Efficiency of Drude mirror-type selective transparent filters for solar thermal conversion (E), AO 17: 145
- Fabrication of metal-dielectric interference filters: a simple method (ET), AO 16: 1890
- Far-infrared filters utilizing small particle scattering and antireflection coatings (E), AO 13: 425
- Far infrared transmission and reflection of Irtan 1 through Irtan 6 at low temperatures (E), AO 13: 2716
- Filter glasses for photometric application (ET), AO 14: 1017
- Filtering and extending the spectra of antenna nearfields reconstructed from measurement on a spherical surface (A), JOSA 66: 634
- Filter radiometer: the selective interferometer (T), AO 15: 2667
- Filters for  $\nu_2$  band of  $\text{CO}_2$ : monitoring and control of layer deposition (R), AO 15: 2736
- Filters for photodetectors (P), AO 18: 3966
- Filtres a reflexion interne totale (T) (L), AO 14: 562
- Flexible bandpass filtering using a coherent optical feedback technique (E), AO 18: 2787
- Fluorescence of short wavelength cutoff filters (E) (L), AO 18: 952
- Fourier description of analysis and synthesis operations for a stack of thin films of equal optical thickness (T), OL 3: 133
- Generalized Brewster-angle conditions for quarter-wave multilayers at non-normal incidence (T), JOSA 64: 647
- Generalized sampling theorem with application to computer-generated transparencies (T), JOSA 68: 1658
- Geometrical transformations in optics (TE), JOSA 64: 1092
- Graphical aids in the use of equivalent index in multilayer-filter design (T), JOSA 64: 329
- Handbook of Optics. Edited by Walter G. Driscoll and William Vaughan (B). Reviewed by Wright, W. D., AO 18: 416
- Improvement of birefringent filters. 2: Achromatic waveplates, AO 14: 229
- Improvement of birefringent filters. 3: Effect of errors on wide field elements (T), AO 14: 445
- Improvement in birefringent filters. 4: The alternate partial polarizer filter (TE), AO 15: 2871
- Improvement in birefringent filters. 5: Field of view effects (T), AO 18: 3443
- Incoherent diffraction correlator with a holographic filter (T), AO 18: 4203
- Infrared multilayer interference filter manufacture: supposed longwave limit (E) (L), AO 18: 3368
- Infrared spectrometer: liquid-helium-cooled rocketborne circular-variable filter (E), AO 14: 3086
- Intercomparison of colored filter glasses made by different manufacturers (A), JOSA 64: 548
- Interference filters for the far ultraviolet (E) (L), AO 13: 1275
- Interference filters for the ultraviolet and the surface plasmon of aluminum (A), JOSA 64: 548
- Interference filters for the ultraviolet and the surface plasmon of aluminum (ET), AO 13: 1209
- Interference filters: single crystal multilayer AlAs-GaAs (E), AO 15: 1256
- Large aperture wedge filter for contrast enhancement (A), JOSA 66: 161
- Lensless matched filter: operating principle, sensitivity to spectrum shift, and third-order holographic aberrations (TE), AO 15: 2830
- Liquid crystalline optical filter (P), AO 15: 2609
- Low-temperature narrowbandpass mesh interference filters (E), AO 18: 3526
- Macular pigment and chromatic aberration (T), JOSA 64: 231
- Matched filtering using rough input objects (A), JOSA 69: 1435
- Matched filter optical processor (TE), AO 13: 925
- Metal-dielectric photosystems (ET), AO 17: 736
- Method for optimized design of dielectric multilayer filters (T), AO 13: 1863
- Method of filtering unwanted modes in waveguides (P), AO 14: 3110
- Mixed-semiconductor evaporated films as filters with very sharp cutoff and some possible applications in electrooptics (E) (L), AO 17: 164
- Modes of a laser resonator containing tilted birefringent plates (T), JOSA 64: 447
- Modulation contrast microscope (TE), AO 14: 1169
- Moire and higher grating harmonics (ET), JOSA 65: 685
- Moire: formation and interpretation (ET), JOSA 64: 1287
- Movable filter optical system for providing optical transmission characteristics (P), AO 17: 1472
- Multichannel image decoding using a composite filter (T) (L), JOSA 66: 150
- Multidielectric components for the far ultraviolet (E) (L), AO 13: 1276
- Multilayer dichroic type used in sequential color TV cameras for the U.S. Space Program (N), AO 17: 3017
- Multilayer edge filter for the 3.2-4.9- $\mu\text{m}$  range (ET), AO 17: 2648
- Multilayer filters for color temperature modification (A), JOSA 69: 1438
- Multilayer GaAs-Al<sub>0.3</sub>Ga<sub>0.7</sub>As dielectric quarter wave stacks grown by molecular beam epitaxy (E), AO 14: 2627
- Multilayer narrowband electro-optical tunable filter (A), JOSA 68: 1449
- Multimode waveguide: a low-pass filter: supplementary comments (T) (L), AO 13: 1754
- Narrow-bandpass interference filters for the far infrared (E), JOSA 67: 971
- Narrowband ultraviolet vapor filter (ET), AO 14: 238
- Nearly degenerate four-wave mixing applied to optical filters (T) (L), AO 18: 143
- Neutral density filters by co-evaporated Ag and SiO<sub>2</sub> films for near IR radiation (E), AO 18: 1460
- New class of amplitude filters superresolving in a restricted field (A), JOSA 65: 1225
- Noncollinear acousto-optic filter (A), JOSA 64: 1392
- Noncollinear tunable acousto-optic filter (P), AO 17: 1475
- Nonquarterwave multilayer filters: optical monitoring with a minicomputer allowing correction of thickness errors (E), AO 18: 3857
- Observing the sun with a fully tunable Lyot-Ohman filter (E), AO 14: 2061
- Optical bistability via thermal effects in a glass filter (A), JOSA 68: 1378
- Optical delay line matched filter (A), JOSA 67: 1382
- Optical homomorphic filtering using film nonlinearity (A), JOSA 69: 1417
- Optical interference filter having an intermediate energy absorbing layer (P), AO 13: 2177
- Optical logarithmic filtering using inherent film nonlinearity (E), AO 16: 2559
- Optical low pass filter (P), AO 18: 749
- Optical monitoring of nonquarterwave multilayer filters (TE), AO 17: 1038
- Optical multiple filtering (P), AO 13: 2177
- Optical notch filter (P), AO 15: 2296
- Optical properties of multilayer overcoated aluminum films in the UV (2000-2500 Å) (E), AO 15: 2216
- Optical smoothing filters (TE) (L), AO 13: 996
- Optical thin film production with continuous reoptimization of layer thicknesses (TE), AO 18: 1978
- Optical thin film synthesis program based on the use of Fourier transforms (T), AO 17: 3039
- Optimum crystal orientation for acoustically tuned optical filters (TE), JOSA 64: 434
- Optimum filters and integrators for photoelectric detection of optical signals (A), JOSA 68: 1384
- Optimum Fourier-transform division filters with magnitude constraint (T), JOSA 64: 1227
- Optimum matched filtering for signals in nonwhite multiplicative noise (A), JOSA 69: 1417
- Organo-metal absorbers for plastomeric materials (P), AO 14: 1747
- Parallel matched filtering: minimization of the volume effect (T) (L), AO 15: 2632
- Perturbation analysis of nonuniform almost-periodic Bragg reflectors (T), JOSA 66: 1359
- Pieges a lumiere interférentielles a larges bandes azimutales et spectrales (ET), AO 13: 1605
- Pléxiglas: a convenient transmission filter for the FIR spectral region (T) (L), AO 14: 1054
- Production of a large unsupported carbon-film ultraviolet filter (E) (L), AO 17: 321
- Properties of some infrared filters (E) (L), AO 16: 289
- Random fluctuations in first-order waveguide grating filters (T), AO 18: 2575
- Real-time optical matched filtering of moonlight-illuminated optics (A), JOSA 66: 387
- Real-time optical signal processors employing optical feedback: amplitude and phase control (T), AO 15: 882
- Real-time optical signal processors employing optical feedback amplitude and phase control: comment (TE) (L), AO 16: 26
- Reflection holographic filters for compacting optical processors (E), AO 13: 1019
- Resonant tunneling of light in optical waveguides (E) (L), JOSA 66: 972
- Rigorous diffraction theory for transmission phase gratings with deep rectangular grooves, JOSA 68: 1206
- Ruby filter for stray light reduction in scattering experiments (E) (L), AO 15: 573
- Scanning and restoration of spectral data in the presence of noise (T), JOSA 64: 335
- SCLERA filter: an interferometric tunable optical filter (A), JOSA 66: 1089
- Second- and higher-order waveguide grating filters. 1: Theory (T), AO 18: 3620
- Second- and higher-order waveguide grating filters. 2: Experiment (E), AO 18: 3627
- Selective band reflecting filters (A), JOSA 66: 1097
- Shearing interferometry in polar coordinates (TE), JOSA 64: 1606
- Sidelobe suppression in corrugated-waveguide filters (T), OL 1: 43
- Space-bandwidth product of some deblurring filters (T), AO 16: 2550
- Space-variant image restoration by coordinate transformations (TE), JOSA 64: 138
- Sufficient conditions for a thin-filter description of thick phase filters (T), JOSA 65: 1337
- Symmetric optimization of dielectric interference filters for nonnormal incidence (T) (L), AO 14: 2341
- Symmetric optimization of dielectric interference filters for nonnormal incidence (T) (errata), AO 15: 1124
- Synthesis of filters for integrated optics (A), JOSA 64: 1365
- Thin aluminum filters for use on the Apollo Telescope Mount XUV spectrographs (E), AO 16: 904
- Tilt tunable ultra narrow-band filters for high resolution infrared photometry (E), AO 14: 765
- Tolerance to the phase-matching condition for the integrated acoustooptic filter (T), AO 13: 1867



- Tunable acousto-optical filter operation at 10  $\mu\text{m}$  (A), JOSA 68: 1449
- Tunable acousto-optical filters with apodized acoustical excitation (A), JOSA 68: 1449
- Tunable filters for spaceflight (A), JOSA 68: 1431
- Tunable laser line filter polychromator for gas temperature measurements (A), JOSA 66: 1072
- Tunable metal film filters as narrowband IR laser reflectors (TE), AO 15: 681
- Tunable optical bandpass filter (P), AO 15: 585
- Tunable optical waveguide directional coupler filter (P), AO 18: 3501
- Tunable ( $\text{Ti}_3\text{AsSe}_3$ ) acousto-optically (P), AO 15: 2296
- Two bandpass filters with absorbing materials (A), JOSA 66: 162
- Use of equivalent index in multilayer design (A), JOSA 66: 161
- Vapor density dependent optical filter (P), AO 16: 2790
- Variable bandpass filtering arrangement (A), JOSA 66: 634
- Variable color polarizing (P), AO 15: 2297
- Wide-band multilayer interference filters (P), AO 15: 1347
- Wideband optical monitoring of nonquarterwave multilayer filters (E), AO 18: 3851
- Workshop on design of optical bandpass filters, topical meeting on optical interference coatings (A), JOSA 66: 161

## Finance

- Public interest in management policies grows (N), AO 13: 12A14

## Flames

- See also Fluorescence, Spectroscopy
- Application of saturation spectroscopy to the measurement of  $\text{C}_2$ ,  $^3\text{H}_2$  concentrations in oxy-acetylene flames (ET), AO 16: 1897
- Coherent anti-Stokes Raman spectroscopy: spectra of water vapor in flames (TE), OL 4: 87
- Coherent anti-Stokes Raman spectroscopy measurements in a bluff-body stabilized diffusion flame (E) (L), AO 18: 2343
- Coherent optical transient spectroscopy in flames (TE), AO 18: 360
- Detectability limit and uncertainty considerations for laser induced fluorescence spectroscopy in flames (TE), AO 17: 1610
- Direct measurement of OH local concentration in a flame from the fluorescence induced by a single laser pulse (ET), AO 18: 354
- Hydroxyl and its concentration profile in methane-air flames (A), JOSA 69: 1480
- Hydroxyl and its concentration profile in methane-air flames (E), AO 18: 4138
- Molecular constants of the electronic states of diatomic molecules (A), JOSA 68: 1404
- Optical fire-detector (P), AO 18: 3966
- Saturated fluorescence spectroscopy in flames (A), JOSA 68: 650
- Temperature measurements of OH and  $\text{N}_2$  in premixed laminar flames by laser techniques (A), JOSA 68: 1403
- Temperature measurements of the hydroxyl radical and molecular nitrogen in premixed, laminar flames by laser techniques (E), AO 18: 2100
- Theoretical fitting of computer-processed laser Raman spectrum from methane- and propane-air flames (A), JOSA 68: 1448
- Three-wavelength pyrometer for measuring flame temperatures (E), AO 18: 2595

## Flashlamps

- See also Lasers, Sources
- Early termination of flashlamp pumped dye laser pulses by shock wave formation, AO 13: 335
- Flashlamp discharge and laser efficiency (TE), AO 13: 2300
- High energy optical laser (P), AO 13: 2735
- High-energy short-pulse flashlamps: operating characteristics (ET), AO 16: 70
- Spectral enhancement of near UV xenon flashlamps (E), AO 14: 2645

## Flow

- Application of a two-component LDV to the measurement of flows induced by flames propagating over condensed fuels (E), AO 17: 3843

- Application of generalized phase control during reconstruction to flow visualization holography (ET), AO 18: 766
- Application of generalized phase control during reconstruction to flow visualization holography: comments (E) (L), AO 18: 2538
- Boundary layer effects in optical measurements in gas dynamics (T), AO 15: 1591
- Distortion of laser turret optics due to aircraft mainstream flow (A), JOSA 66: 1137
- Generalized analysis of shearing interferometers as applied for gas dynamic studies (TE), AO 13: 409
- Interferometric measurement technique for the temperature field of axisymmetric buoyant phenomena (E), AO 17: 2788
- Laser Doppler anemometry measurements in an engine (E), AO 18: 1539
- Laser Doppler measurements of blood velocity in human retinal vessels (TE), JOSA 68: 526
- Laser heterodyne apparatus for measuring small angle scattering from particles (ET), AO 18: 3018
- Laser Systems in Flow Measurement. By Tariq S. Durrani and Clive A. Greated (B), Reviewed by Scherer, Wolfgang, AO 17: 1848
- Laser Systems in Flow Measurement. By Tariq S. Durrani and Clive A. Greated (B), Reviewed by Wang, Charles P., JOSA 67: 1604
- Measurement of flow velocity distribution by means of double-exposure holographic interferometry (E), JOSA 67: 1117
- Optical effects of gas flow through an optical train: an experimental determination (E), AO 18: 3984
- Optical measurements of degradation in aircraft boundary layers (A), JOSA 69: 1409
- Paraxial analysis of light scattering by biological cells in a flow system (TE), AO 17: 3205
- Spatially resolved coherent anti-Stokes Raman spectroscopy from a line across a  $\text{CH}_4$  jet (E), OL 4: 167
- Spatially resolved excitation temperature measurements in a hypersonic flow using the hook method (E), AO 16: 1376
- Study of flow pattern in a fluid by scattered laser light (E) (L), AO 16: 2334
- Wide-field schlieren system (P), AO 17: A164

## Fluorescence

- See also Spectroscopy
- Absolute measurement of very low sodium-vapor densities using laser resonance fluorescence (E), JOSA 65: 199
- Absolute oil fluorescence conversion efficiency (T), AO 15: 409
- Analysis of the conventional reflectance of fluorescent samples (E) (L), AO 13: 1007
- Angular distribution of fluorescence from small particles with plane and evanescent wave excitations (A), JOSA 68: 1452
- Angular distribution of fluorescence from small particles (ET) (L), AO 17: 1978
- Angular distribution of fluorescence from monodispersed particles (E) (L), AO 17: 1980
- Angular distribution of fluorescence from liquids and monodispersed spheres by evanescent wave excitation (ET), AO 18: 862
- Assessment of the ultraviolet range of artificial light sources for the best fit to standard illuminant D65 (T) (L), AO 16: 806
- Atmospheric pollutant sensing device (P), AO 13: 977
- Atomic Absorption and Fluorescence Spectroscopy. By C. F. Kirkbright and M. Sargent (B), Reviewed by Barnes, Ramon M., AO 14: 2351
- Atomic Absorption and Fluorescence Spectroscopy. By G. F. Kirkbright and M. Sargent (B), Reviewed by Schrenk, W. G., JOSA 65: 1157
- Automatic fluorescence microphotometer using an image dissector tube (E), AO 18: 2950
- Beam-splitter and cell-window errors in fluorescence spectrometry (ET), AO 18: 4134
- Calibrating the light pulse shape of a hydrogen flashlamp using synchrotron radiation as a standard of excitation (E), AO 18: 1355
- Changes in fluorescence lifetimes induced by variable optical environments (A), JOSA 69: 1411
- Classifying biological cells (P), AO 15: 1347
- Coherence and quantum optics, Fourth Rochester Conference, 8-10 June 1977 (M), Reported by Narducci, Lorenzo M., AO 16: 3066
- Collective atomic effects in resonant fluorescence (A), JOSA 66: 1076
- Colorimetric significance of mercury-emission lines in fluorescent lamps (T), JOSA 65: 1354
- Cooperative Effects in Matter and Radiation. Edited by Charles M. Bowden, D. W. Howgate, and Hermann R. Robl (B), Reviewed by Eberly, Joseph H., JOSA 68: 1152
- Detectability limit and uncertainty considerations for laser induced fluorescence spectroscopy in flames (TE), AO 17: 1610
- Detection of  $^{20}\text{Na}$  atoms and measurement of sodium-vapor densities by means of atomic-resonance fluorescence (E), JOSA 65: 952
- Determining the optical parameters of fluorescent or scattering thin films (A), JOSA 69: 1434
- Device for amplification of a coherent optical signal (P), AO 14: 1043
- Differential counting of leukocytes and other cells (P), AO 15: 1347
- Diffraction grating use to reject fluorescence from a tunable dye laser (E) (L), AO 14: 811
- Diffuse reflectance of the ocean: the theory of its augmentation by chlorophyll *a* fluorescence at 685 nm (T), AO 18: 1161
- Direct measurement of OH local concentration in a flame from the fluorescence induced by a single laser pulse (ET), AO 18: 354
- Double beam fluorescence spectrophotometer: design and typical applications (E), AO 14: 2921
- Dye-laser scanning spectroscopy and fluorescence-quenching cross sections for the  $B^3\Pi^+_{u,2}$  state of iodine (E), JOSA 66: 233
- Effect of sea-state on the performance of laser fluorosensors (T), AO 17: 2730
- Estimation of the depth of sunlight penetration in natural waters for the remote sensing of chlorophyll *a* via *in vivo* fluorescence (T) (L), AO 18: 1883
- Fluorescence ambient  $\text{NO}_2$  monitor with flash lamp pumping (A), JOSA 66: 1123
- Fluorescence determination of low formaldehyde concentrations in air by dye laser excitation (E), AO 14: 310
- Fluorescence due to magnetic-dipole transitions in  $\text{LiYF}_4\text{Pr}^{3+}$  (E) (L), AO 18: 3365
- Fluorescence of short wavelength cutoff filters (E) (L), AO 18: 952
- Fluorescence polarization microscope for automatic screening of membrane fluidity of individual cells (E), AO 16: 564
- Fluorescent efficiency of sodium salicylate between 116 and 600 Å (E) (L), JOSA 64: 1346
- Fluorescent scattering by anisotropic molecules embedded in small particles (TE) (L), AO 18: 1484
- Guide to Fluorescence Literature, Volume 3. By R. A. Passwater (B), Reviewed by Silverman, Shirleigh, AO 14: 2353
- Hydroxyl and its concentration profile in methane-air flames (E), AO 18: 4138
- Incident light fluorescence microscope (P), AO 17: 2259
- Integrating-sphere fluorescence cells: instrumental errors in fluorescence lifetimes and intensities (T), AO 14: 1143
- Interference suppression in HO fluorescence detection (E) (L), AO 18: 3216
- Intermodulated fluorescence spectroscopy of free radicals with a stabilized dye laser (A), JOSA 68: 626
- Laboratory evaluation of two laser fluorosensor systems (E), AO 18: 3579
- Laser-induced fluorescence and OH spectroscopy (A), JOSA 64: 1380
- Laser-induced fluorescence excitation spectroscopy of van der Waals molecules (A), JOSA 67: 1387
- Laser  $\text{NO}_2$  fluorescence measurements in flames (E), AO 17: 1099
- Laser spectroscopy of U 1 using stepwise excitation and fluorescence detection (E), JOSA 69: 256
- Laser technique for simultaneous particle-size and -velocity measurements (T), OL 3: 19
- Lasing and fluorescence in  $\text{K}_5\text{NdLi}_2\text{F}_{10}$  (A), JOSA 68: 630
- Lifetime and collisional quenching measurements of  $\text{XeF}^*(B)$  by photolysis of  $\text{XeF}_2$  (E), OL 2: 13
- Light detector for detecting the position of edges of moving strip (P), AO 18: 3713



- Light emission by magnetic and electric dipoles close to a plane interface. I. Total radiated power (T), JOSA 67: 1607
- Light emission by magnetic and electric dipoles close to a plane dielectric interface. II. Radiation patterns of perpendicular oriented dipoles (T), JOSA 67: 1615
- Light emission by magnetic and electric dipoles close to a plane dielectric interface. II. Radiation pattern of perpendicular oriented dipoles (errata), JOSA 68: 1155
- Light emission by magnetic and electric dipoles close to a plane interface. I. Total radiated power (errata), JOSA 68: 1155
- Light emission by magnetic and electric dipoles close to a plane dielectric interface. III. Radiation patterns of dipoles with arbitrary orientation (T), JOSA 69: 1495
- Lyman-band fluorescence intensity vs  $H_2$  pressure (E), JOSA 65: 320
- Measurement of picosecond fluorescence by a streak-camera operating at a repetition rate of 140 MHz (A), JOSA 68: 665
- Measurement of very-low sodium-vapor densities by means of optical resonance fluorescence (E), JOSA 64: 482
- Mechanism of  $C_2$  formation via the IR photolysis of polyatomic molecules (A), JOSA 68: 639
- Metameric white samples for testing the relative UV content of light sources and of natural daylight (E), AO 18: 1067
- Modified technique for determining the wavelength-sensitivity curve of a spectrofluorimeter (E) (L), AO 14: 26
- Multiphoton laser-induced fluorescence (A), JOSA 69: 1407
- Noise in fiber optics communications systems induced by ionizing radiation (E) (L), AO 13: 2190
- Normalized fluorescence spectra (A), JOSA 66: 1064
- Observation of radiative collisional fluorescence (A), JOSA 68: 1422
- Optical bistability in cooperative atomic systems (A), JOSA 68: 1636
- Optical diffusimeter for submicrometer-distance energy-diffusion determination (TE), JOSA 64: 1337
- Optical microscopic observation of single small molecules (E) (L), AO 15: 2965
- Optimal colors and luminous fluorescence of bluish whites (T), JOSA 65: 213
- Optoacoustic pulses in a flame (E), OL 1: 118
- Photoacoustical measurement of absolute quantum efficiencies in solids (A), JOSA 68: 1388
- Photoacoustic measurement of absolute quantum efficiencies in solids (E), OL 3: 181
- Photocounting distributions for exponentially decaying sources (T), OL 4: 146
- Photomultiplier window materials under electron irradiation: fluorescence and phosphorescence (E), AO 14: 2104
- Picosecond fluorescence spectroscopy with a cw laser (A), JOSA 67: 1441
- Pulsed resonance spectroscopy applied to turbulent combustion flows (TE), AO 15: 955
- Quantum efficiency independence of the integrated emission from a fluorescent molecule (A), JOSA 66: 1064
- Quantum efficiency independence of the time integrated emission from a fluorescent molecule (TE), AO 15: 3135
- Quenching of two-photon fluorescence and stimulated anti-Stokes emission in rhodamine solutions (E), AO 18: 1383
- Raman and fluorescent scattering by molecules embedded in small particles (A), JOSA 68: 1452
- Raman and fluorescent scattering by molecules embedded in spheres with radii up to several multiples of the wavelength (T), AO 18: 1172
- Raman and fluorescent scattering by molecules embedded in concentric spheres (T), JOSA 66: 440
- Raman and fluorescent scattering by molecules embedded in small particles: numerical results for noncoherent optical processes (T), JOSA 68: 1676
- Raman and fluorescent scattering by molecules embedded in small particles: results for coherent optical processes (T), JOSA 68: 1686
- Refraction correction for fluorescence spectra of aqueous solutions (E) (L), AO 17: 2875
- Resonance fluorescence and absorption spectra in optically bistable systems (A), JOSA 67: 1367
- Resonance fluorescence in a three-level system (A), JOSA 67: 1417
- Resonance fluorescence in two-level atoms driven by intense chaotic light (A), JOSA 69: 1467
- Resonant enhancement of the angular distribution of fluorescence from dye layers and monodispersed particles (A), JOSA 68: 1453
- Resonant fluorescent scattering of solar radiation by the fourth positive band system of CO (T), AO 14: 1513
- Rotational redistribution effect on saturated laser-induced fluorescence (T) (L), AO 18: 2093
- Saturated fluorescence spectroscopy in flames (A), JOSA 68: 650
- Saturation effects in laser induced fluorescence spectroscopy (T), AO 16: 568
- Saturation in laser excited atomic fluorescence spectrometry: experimental verification (ET), AO 18: 1804
- Saturation of fluorescence in flames with a Gaussian laser beam (T), AO 17: 225
- Semiclassical study of fluctuations in superfluorescence and in optical bistability (A), JOSA 68: 1453
- Spectroscopic and fluorescence methods used for the study of eye disorders (A), JOSA 65: 1162
- Steady-state atomic fluorescence radiance expressions for continuum excitation (T), AO 17: 2291
- Stochastic description of the optical bistability (A), JOSA 68: 1636
- Sub-Poissonian photon statistics in resonance fluorescence (T), OL 4: 205
- Superfluorescence experiments: a review (A), JOSA 68: 699
- Superfluorescence from degenerate media (A), JOSA 68: 701
- Superfluorescence: QM derivation of Maxwell-Bloch description with fluctuating field source (A), JOSA 68: 699
- Teledetection of the thickness of oil films on polluted water based on the oil fluorescence properties (E), AO 18: 1746
- Temperature dependence and isotope effects in electronic to vibrational energy transfer from  $Br(4^2P_{1/2})$  to  $HCl$ ,  $^{12}CO_2$ , and  $^{13}CO_2$  (A), JOSA 68: 638
- Time-dependent physical spectra, a movie (A), JOSA 68: 1405
- Time-resolved fluorimetry via a new cross-correlation method (ET), AO 18: 1913
- Time-resolved laser fluorosensors: a laboratory study of their potential in the remote characterization of oil (E), AO 17: 1624
- Two-chopper technique for measuring fluorescence lifetimes (E), AO 15: 61
- Two-dimensional oil-film fluorescence spectra (A), JOSA 64: 547
- Two-level model for near saturated fluorescence in diatomic molecules (T), AO 18: 856
- Two-point fluorophotometer for the human ocular fundus (E), AO 14: 2691
- Whiteness formulas: a selection (T), AO 18: 1073
- ### Fluorine
- Absorption spectrum of fluorine F I observed with the helium continuum (E), JOSA 68: 1564
- Beam-foil study of fluorine in the far UV (E), JOSA 69: 474
- Effect of continuum configuration interaction on the position of  $sp^6$  in neutral chlorine and other halogens (T), JOSA 64: 1474
- High-resolution study of the helium-fluorine laser (E), JOSA 68: 262
- Spectra of N VI, O VII, F VII, and F VIII in the grazing-incidence region (E), JOSA 64: 699
- ### Focus
- Absorption of focused light by spherical plasmas (T): comment (L), JOSA 69: 1186
- Accommodative response to blur (E), JOSA 64: 1512
- Achromatic focusing device (ET), JOSA 65: 1283
- Active autofocus using an apertured Gaussian beam (TE), AO 15: 2095
- Application of additional mirrors for rectilinear laser scanning of wide formats (T), AO 17: 203
- Asymmetric focusing of a laser beam in  $TEM_{01}$  doughnut mode in a nonlinear dielectric (T), JOSA 64: 941
- Augmented laser scan equations (T) (L), AO 17: 1161
- Auto-focusing optical system (P), AO 14: 1457
- Automatic focusing device also capable of photometry (P), AO 14: 1043
- Automatic focusing system for projectors (P), AO 13: 2A26
- Automatic lens focusing method and apparatus (P), AO 15: 2038
- Axial chromatic aberration of eye with achromatizing lens (E) (L), JOSA 64: 1724
- Cassegrain telescopes: limits of secondary movement in secondary focusing (T), AO 15: 1266
- Coherent imaging in presence of defect of focus (T) (L), JOSA 64: 1344
- Collimation and focusing of x rays and extreme ultraviolet with bent glass strips (A), JOSA 66: 1136
- Depth of convergence of a sharpness index autofocus system (TE), AO 16: 2273
- Design and testing of a pneumatic focus servo for a high-speed microdensitometer (A), JOSA 65: 1210
- Electromagnetic field near focus as seen by a moving particle (T), JOSA 64: 934
- Electrooptical focus and alignment (L), AO 14: 1051
- Focus errors in laser beam divergence measurements (T) (L), AO 17: 685
- Focusing an objective (P), AO 16: 13
- Focusing errors in a collimating lens or mirror: use of a moiré technique (ET), AO 13: 1322
- Focusing method used in laser damage experiments (E) (L), AO 15: 2024
- Focusing of laser beams by a sequence of irises (A), JOSA 67: 1438
- Focusing of laser beams by a sequence of irises (TE), AO 18: 875
- Focusing of light by a vertical temperature gradient in water (A), JOSA 65: 1175
- Focusing of light by a vertical temperature gradient in aerated water (ET), AO 17: 151
- Focusing properties of an aberrated laser beam (T), AO 15: 1458
- Focus path of a laser beam deflected by a prismatic polygon mirror: its calculation and optimization (T), AO 15: 3084
- Focus-position sensing using laser speckle (A), JOSA 68: 1426
- Focus-position sensing using laser speckle (TE), AO 18: 1042
- Focus screen optimization (TE), AO 14: 2762
- Image contrast theory of electronic focus (T), JOSA 68: 1309
- Improved performance of fusion lasers using the imaging properties of multiple spatial filters (TE) (L), AO 16: 779
- Intensity distribution properties of a Gaussian laser beam focus (T), AO 17: 3496
- Knife-edge profiling of Q-switched Nd:YAG laser beam and waist (E) (L), AO 18: 599
- Knife-edge scanning measurements of subwavelength focused light beams (ET), AO 16: 1971
- Laser focal shift monitor (E) (L), AO 15: 2020
- Lens design for laser systems (T), JOSA 64: 314
- Measurements at  $10.6\ \mu m$  with pyroelectric vidicons (A), JOSA 67: 1445
- Measuring focused light spots (A), JOSA 67: 1364
- Numerical study of a  $CO_2$  laser beam focused on a theta-pinch plasma in the axial direction (TE), AO 16: 1975
- Off-axis parabolas for high-power laser focusing (A), JOSA 66: 1134
- Optical analysis of integrated boresight-focus sensor system (A), JOSA 67: 1394
- Optical apparatus for determining focus (P), AO 15: 2038
- Optical field near focus seen by a moving particle (A), JOSA 64: 527
- Optical scanner with large depth of focus (P), AO 16: 2027
- Optical system for imaging an object, focusing being maintained independent of a variation in the distance between the object plane and the image plane (P), AO 15: 1346
- Optical transducer and focusing system (P), AO 18: 3947
- Periodic phase structures for focusing light in the near field (A), JOSA 68: 1405
- Phase conjugacy and symmetry about the focal plane of the three-dimensional light distribution near focus (A), JOSA 69: 1473



Polarization flipper for infrared laser beams: comment (E) (L), AO 16: 1489  
 Preform index profiling (PIP) (E), AO 18: 671  
 Reducing the danger of flare images in laser focusing objectives (T), AO 17: 3812  
 Relativistic self-focusing of laser radiation in plasmas: theory (T), JOSA 65: 882  
 Retrofocus-type lens system (P), AO 16: 13  
 Roll and focus apparatus (P), AO 14: 1458  
 Self-focusing of coherent optical pulses in resonant absorbers (A), JOSA 65: 1181  
 Sharpness index and its application to focus control (TE), AO 15: 877  
 Simple method for reducing the depth of focus (A), JOSA 65: 1166  
 Soft focus lens system (P), AO 18: A214  
 Solid state laser apparatus with auxiliary intra-cavity mirror elements (P), AO 14: A77  
 Sonar controlled two focal position lens system (P), AO 18: 3804  
 Thermal self-focusing of TEM<sub>01</sub> laser beams and ring-shape self-focusing of two specific mixtures of modes (T), JOSA 65: 1027  
 Umbrella-type dynamic-focusing mirror system (E), AO 18: 386

## Fogs

See Clouds

## Formaldehyde

Fluorescence determination of low formaldehyde concentrations in air by dye laser excitation (E), AO 14: 310

## Fourier analysis

See also Fourier optics  
 Optical smoothing filters (TE) (L), AO 13: 996

## Fourier optics

See also Modulation transfer function, Spectroscopy, Fourier  
 Ambiguity function display: an improved coherent processor (TE), AO 16: 746  
 Ambiguity function display: an improved coherent processor; addendum (TE) (L), AO 16: 1777  
 Analysis of optical data by the conjugate Fourier-series approach (T), JOSA 68: 994  
 Bilinear processing of 1-D signals by use of linear 2-D coherent optical processors (TE), AO 17: 3408  
 Characterization of the imaging properties of x-ray focal spots (E), AO 15: 3099  
 Convergence of a spectrum shaping algorithm (T) (L), AO 13: 2470  
 Cylindrical lens systems described by operator algebra (TE), AO 18: 4195  
 Dispersion relations in Fraunhofer diffraction (T) (L), JOSA 69: 907  
 Energy distribution in a scatterplate interferometer (TE), JOSA 69: 1305  
 Field-widened Michelson spectrometer with no moving parts: comments (T) (L), AO 13: 2189  
 Fourier optical synthesis of Zernike's three-slit interferometer (TE) (L), JOSA 68: 868  
 Fourier optics and color vision (A), JOSA 67: 1350  
 Fourier-Optik und Holographie. By E. Menzel, W. Mirande, and I. Weingaertner (B), Reviewed by Burckhardt, C. B., JOSA 65: 361  
 Fourier-Optik und Holographie. Von E. Menzel, W. Mirande, und I. Weingaertner (B), Reviewed by Hawkes, P. W., AO 13: 2437  
 Fourier transform lens: a misnomer (L), AO 13: 2747  
 Fourier transform plane superposition multiplier: theory, experimental results, and discussion (TE), AO 17: 3060  
 Generalized sampling theorem with application to computer-generated transparencies (T), JOSA 67: 1666  
 Holographic nondestructive testing at the Fourier plane (ET) (L), AO 17: 848  
 Holographic representation of space-variant systems: system theory (T), AO 15: 2241  
 Image contrast theory of electronic focus (T), JOSA 68: 1309  
 Incoherent imaging and source size: a Fourier optics approach (A), JOSA 67: 1423  
 Laser beam profile measurements using spatial sampling, Fourier optics, and holography book (N), AO 18: 2036

Modulation contrast microscope (TE), AO 14: 1169  
 Multiemulsion transparency providing separate phase and amplitude control (P), AO 18: 3219  
 Optical Computing, 3rd International Conference, Washington, D.C., 23-25 Apr 1975 (M), Reported by Kock, Winston E.; Stoke, George W., AO 14: 2785  
 Optical filtering of aeromagnetic maps (E), AO 13: 1013  
 Phase error model for simple Fourier transform lenses (TE), AO 17: 1701  
 Polarization, Fourier spectrometer for astronomy (E), AO 13: 1147  
 Possible uses for frequency sweeping in Fourier optics (A), JOSA 68: 1375  
 Real-time optical signal processors employing optical feedback: amplitude and phase control (T), AO 15: 882  
 Real-time optical signal processors employing optical feedback amplitude and phase control: comment (TE) (L), AO 16: 26  
 Representation of a diffracted wave field by the band-limited angular spectrum (T), JOSA 68: 1579  
 Sine condition derivation via Fourier optics (T) (L), AO 18: 2912  
 Space-variant processing of 1-D signals (TE), AO 16: 739  
 Spatial filtering and image positive-negative reversal (ET), AO 14: 1683  
 Superresolution imaging system (P), AO 18: 4016  
 Use of Fourier coefficients in multilayer synthesis computations (T), JOSA 68: 964  
 Vectorial treatment of optical systems (T), JOSA 68: 1275  
 Virtual Fourier transform as an analytical tool in Fourier optics (T) (L), AO 17: 1669  
 Wave aspects of light and Fourier optics (A), JOSA 64: 519  
 Why the sinc function should be defined as  $(\sin x)/x$  and not  $(\sin \pi x)/\pi x$  (L), AO 13: 705  
 Wigner distribution function and its application to first-order optics (T), JOSA 69: 1710

## Fourier transforms

See also Optical processing  
 Algorithm for direct fast Fourier transform of bivariate functions (A), JOSA 65: 1203  
 Aliasing error in digital holography (TE), AO 15: 2183  
 Alternative representations of Green's functions for the Helmholtz equation (T) (L), JOSA 65: 1525  
 Ambiguity function display: an improved coherent processor (TE), AO 16: 746  
 Ambiguity function display: an improved coherent processor; addendum (TE) (L), AO 16: 1777  
 Ambiguity function in Fourier optics (T), JOSA 64: 779  
 Ambiguity map generation with coherent optics (A), JOSA 69: 1451  
 Apodization filtering applied to a bandlimited optical Fourier transformer (ET), AO 15: 690  
 Application of a sunburst aperture to diffraction suppression (T), JOSA 64: 978  
 Asymmetrical Fourier-transform lens design (A), JOSA 64: 1358  
 Atlas of Optical Transforms. By G. Harburn, C. A. Taylor, and T. R. Welberry (B), Reviewed by MacAdam, David Pearce, JOSA 66: 396  
 Backscattered short pulse response of surface waves from dielectric spheres (T), AO 13: 1928  
 Coherence effects on the phase accuracy of an optical Fourier processor (T), JOSA 68: 909  
 Computer synthesis of binary Fourier transform holograms using ordered dither (A), JOSA 68: 1440  
 Continuous Fourier-transform spline solution of unstable resonator-field distribution (T), OL 4: 303  
 Contrast effect on imagery power spectra (E), AO 18: 2147  
 Delay compensation: its effect in reducing sampling errors in Fourier spectroscopy (T), AO 18: 68  
 Diffraction patterns of simple apertures (TE), JOSA 64: 798  
 Digital Filters and the Fast Fourier Transform. Edited by Bede Liu (B), Reviewed by Lozier, D. W., AO 15: 2293  
 Digital Fourier transforms as means for scanner evaluation (ET), AO 13: 146  
 Dispersion relations in Fraunhofer diffraction (T) (L), JOSA 69: 907  
 Dynamics of thin-film thermal detectors in infrared imaging systems. 1: Basic equations and Fourier analysis (T), AO 13: 1455  
 Edge diffraction of a convergent wave (TE), AO 14: 608  
 Effects of the cone-cell distribution on pattern-detection experiments (T), JOSA 64: 1523  
 Enhancement of multiple images by sampling spatial filtering using additional auxiliary sampling (TE), JOSA 65: 1443  
 Estimation of size distribution of randomly distributed scatterers (A), JOSA 68: 1385  
 Far field construction for optical Fourier transforms (P), AO 15: 1889  
 Far-infrared high-resolution Fourier transform spectrometer: applications to H<sub>2</sub>O, NH<sub>3</sub>, and NO<sub>2</sub> lines (E), AO 15: 708  
 Fast Fourier Transform. By E. O. Brigham (B), Reviewed by Smith, D. R., AO 14: A45  
 Field-widened Michelson spectrometer with no moving parts (T) (L), AO 13: 233  
 Filtering for image reconstruction from projections (T), JOSA 67: 662  
 FMS used as a toxic-gas analyzer (A), JOSA 64: 1363  
 Fourier and Hadamard transform spectrometers: a limited comparison (T), AO 15: 2664  
 Fourier description of analysis and synthesis operations for a stack of thin films of equal optical thickness (T), OL 3: 133  
 Fourier power spectra of optical images using CCDs (P), AO 18: 261  
 Fourier spectrum of half-tone images (TE), JOSA 65: 716  
 Fourier transform analysis of algae (A), JOSA 68: 1415  
 Fourier transform differences and averaged similarities in diatoms (E), AO 18: 1663  
 Fourier Transform Infrared Spectroscopy, Fourth International Conference, University of South Carolina, 20-24 Jun 1977 (M), Reported by Sakai, Hajime, AO 17: 3  
 Fourier transform infrared spectrometers: their recent history, current status, and commercial future (R), AO 17: 1367  
 Fourier Transform Infrared Spectroscopy: Applications to Chemical Spectroscopy. Volume One. Edited by John R. Ferraro and Louis J. Basile (B), Reviewed by Hirschfeld, Tomas, JOSA 69: 799  
 Fourier transforming system (P), AO 13: 9A26  
 Fourier transform lens: a misnomer (L), AO 13: 2747  
 Fourier transform method for calculating the transmittance of inhomogeneous atmospheres (T), AO 18: 3426  
 Fourier-transform method of image restoration (A), JOSA 64: 560  
 Fourier transform of the Green's function for the Helmholtz equation (T) (L), JOSA 65: 964  
 Fourier transform simulator measurement of a laser communication beam (A), JOSA 66: 1137  
 Fourier transforms newsletter, *The Transform* (N), JOSA 64: 738  
 Fourier transform vs Hadamard transform spectroscopy: comments on (R), AO 13: 1296  
 Fourier transform vs Hadamard transform spectroscopy: reply to comments (T) (L), AO 13: 1740  
 Fraunhofer diffraction at straight-edged apertures (TE), JOSA 69: 765  
 Fraunhofer diffraction pattern of an aperture (T) (L), JOSA 65: 1077  
 Fully parallel, high-speed incoherent optical method for performing discrete Fourier transforms (TE), OL 2: 1  
 Gamma-ray imaging in Fourier space (ET), OL 3: 187  
 Generalized holographic formation of a lensless Fourier transform. 1: Different geometries (T) (L), AO 18: 3550  
 Generalized lensless Fourier transform hologram (A), JOSA 67: 1432  
 High resolution Fourier transform spectrometer (0.005 cm<sup>-1</sup>) for the 0.6-100-μm spectral range (E), AO 17: 1716  
 High-resolution lamellar-grating Fourier-transform spectrometer for the submillimeter region (E), AO 17: 1709  
 Hybrid optical-digital radiography-based system for lung disease detection (E), AO 16: 2637  
 Image profile upon passage through a Fabry-Perot interferometer of large Fresnel number (T), JOSA 69: 348



Image reconstruction over a finite field of view (T), JOSA 65: 1342

Image resolution in quasi-Fourier-transform holograms (A), JOSA 65: 1223

Influence of noise on the measurement of optical transfer functions by the digital Fourier-transform method (TE), JOSA 65: 502

Is Fourier analysis performed by the visual system or by the visual investigator (T), JOSA 69: 95

Isotope shifts for neutral uranium with a Fourier transform spectrometer (A), JOSA 68: 1447

Kinetics of multicomponent reactions using an FTS system (A), JOSA 64: 1363

Linear Systems, Fourier Transforms, and Optics. By Jack D. Gaskill (B), Reviewed by Farmer, W. Michael, AO 18: 1128

Linear Systems, Fourier Transforms, and Optics. Jack D. Gaskill (B), Reviewed by Young, Matt, JOSA 69: 637

Line spread function notation (L), AO 15: 2289

Minimal dispersion refractive index profiles (T), AO 18: 2927

Minimax spectrum shaping with a bandwidth constraint (ET), AO 14: 3062

Mode calculations in unstable resonators with flowing saturable gain. 2: Fast Fourier transform method (T), AO 14: 1874

Moire and higher grating harmonics (ET), JOSA 65: 685

Multiple order spectra in Fourier transform infrared spectroscopy (T), AO 16: 1905

Multiplying lensless Fourier holograms recorded using a multibeam reference light field (ET) (L), AO 15: 853

Nondestructive determination of refractive index profile of an optical fiber: fast Fourier transform method (TE), AO 18: 1117

Optical thin film synthesis program based on the use of Fourier transforms (T), AO 17: 3039

Optical transforms of rough edges and gaps (A), JOSA 68: 1362

Optimum Fourier-transform division filters with magnitude constraint (T), JOSA 64: 1227

Performance measurement techniques for simple Fourier transform lenses (ET), AO 17: 2973

Phase correction for a Michelson interferometer with misaligned mirrors (T), AO 14: 1387

Phase error model for simple Fourier transform lenses (TE), AO 17: 1701

Phase from intensity measurements (T), JOSA 68: 87

Properties of Fourier transforms produced by different phase fronts (A), JOSA 68: 1375

Pulsed spectrophone measurements of methane absorption coefficients (A), JOSA 65: 1164

Qualitative and semiquantitative Fourier transformation using a noncoherent system (E), AO 18: 3152

Quasi-fast Hankel transform (T), OL 1: 13

Quasi-Fourier transform of an object from a Fresnel hologram (TE) (L), AO 18: 950

Real-time optical phase measurement (A), JOSA 68: 1414

Recent developments in commercial Fourier transform systems for the mid-infrared (A), JOSA 64: 1367

Reconstruction of an object from the modulus of its Fourier transform (A), JOSA 67: 1389

Reconstruction of an object from the modulus of its Fourier transform (TE), OL 3: 27

Representation of the spatial-frequency analysis performed by the visual system (T) (L), JOSA 65: 99

Resolution of a quasi-Fourier-transform hologram (A), JOSA 68: 1444

Scan line filters for optical spectral analysis (T), AO 14: 353

Source noise in Fourier-transform spectroscopy (TE) (L), JOSA 64: 1019

Spatial filtering use (P), AO 18: A114

Spatial Fourier transform using the human eye (A), JOSA 68: 1451

Spatial multiplex tomography (A), JOSA 65: 1188

Speckle-noise simulation of Fourier-transform holography with random phase sequences (T) (L), JOSA 65: 856

Speckle-suppressed holography with spatially incoherent source (TE), JOSA 64: 1507

Surface roughness measurements with an optical Fourier spectrum analyzer (E), AO 18: 796

Synthetic-aperture radar and multiplex spectroscopy (T) (L), JOSA 64: 402

Time-resolved Fourier spectroscopy (ET), JOSA 65: 600

Transformation de Fourier de  $\text{CH}_3\text{Br}$  et  $\text{CH}_3\text{Cl}$  dans l'infrarouge tres lointain (E), AO 13: 1158

Varying area optical processing Fourier analyzer (P), AO 13: 976

Virtual Fourier transform as an analytical tool in Fourier optics (T) (L), AO 17: 1669

Visual Fourier-transform spectroscopy with a single crystal plate (ET), JOSA 65: 817

Working resolution of  $0.010\text{ cm}^{-1}$  between  $20\text{ cm}^{-1}$  and  $1200\text{ cm}^{-1}$  by a Fourier spectrometer (E), AO 18: 1788

## Freon-12

Rayleigh scattering coefficients for dry air, carbon dioxide, and Freon-12 (T) (L), AO 13: 468

## Frequency conversion

Automatic phase-matched frequency-doubling system for the 240–350-nm region (E), AO 18: 193

Beam quality of acousto-optic frequency shifters (E), OL 3: 46

Generation of coherent radiation tunable from 201 nm to 212 nm (E) (L), AO 16: 2356

High-resolution methane  $\nu_3$ -band spectra using a stabilized tunable difference-frequency laser system, JOSA 66: 97

Light emitting diode (P), AO 15: 1889

Organic crystals for frequency doubling of laser radiation (P), AO 14: 1747

Sum frequency mixing in potassium pentaborate as a source of tunable coherent radiation at wavelengths below 217 nm (E), AO 15: 3131

Thin film, biaxially birefringent nonlinear devices (P), AO 13: 11A26

## Fresnel zone plates

See Zone plates

## From the Editor

See also Editor's page

Jan-Dec (N), AO 13: A11, AO 14: A11, AO 14: A37, AO 14: A63, AO 14: A89, AO 14: A115, AO 14: A139, AO 14: A155, AO 14: A171, AO 14: A185, AO 14: A197, AO 14: A221, AO 14: A241, AO 15: A11, AO 15: A27, AO 15: A39, AO 15: A57, AO 15: A73, AO 15: A87, AO 15: 1879, AO 15: A111, AO 15: A159, AO 16: A11, AO 16: A25, AO 16: A49, AO 16: A67, AO 16: A79, AO 16: A97, AO 16: A110, AO 16: A125, AO 16: A141, AO 16: A155, AO 16: A173, AO 17: A15, AO 17: A41, AO 17: A65, AO 17: A99, AO 17: 1498, AO 17: A131, AO 17: A143, AO 17: A167, AO 17: A191, AO 17: A215, AO 17: A239, AO 17: A263, AO 17: A282, AO 18: A15, AO 18: A39, AO 18: A63, AO 18: A85, AO 18: 3071, AO 18: 3359, AO 18: A105, AO 18: A132, AO 18: A151, AO 18: A171, AO 18: A237, AO 18: A269

Applied Optics statistics (N), AO 17: A191

Energy, AO 15: A147

English spelling problems (N), AO 17: A215

History of the Raman effect (N), AO 17: A239

International language, postal problems, AO 15: A123

Metric system, comments (N), AO 17: A131

Modified typewriter keyboards (N), AO 17: A167

Parascience books (N), AO 17: A143

Parasciences (N), AO 17: A15

Publishing of computer programs (N), AO 18: A85

Volume 15 Applied Optics summary (N), AO 16: A37

## From the Executive Office

JOSA 65: 108, JOSA 65: 236, JOSA 65: 364, JOSA 65: 476, JOSA 65: 620, JOSA 65: 751, JOSA 65: 863, JOSA 65: 976, JOSA 65: 1087, JOSA 65: 1160, JOSA 65: 1391, JOSA 65: 1533, JOSA 66: 1455, JOSA 66: 85, JOSA 66: 191, JOSA 66: 299, JOSA 66: 403, JOSA 66: 403, JOSA 66: 750, JOSA 66: 875, JOSA 66: 983, JOSA 66: 1143, JOSA 67: 267, JOSA 67: 421, JOSA 67: 577, JOSA 67: 715, JOSA 67: 855, JOSA 67: 1450, JOSA 68: 147, JOSA 68: 287, JOSA 68: 427, JOSA 68: 876, JOSA 68: 1790

Bylaws amendment (N), JOSA 67: 1605

Bylaws revision (N), JOSA 68: 1464

Council of Engineering and Scientific Society Executives Meeting, 12-14 Aug 1976, Atlanta, Georgia (N), JOSA 66: 1315

Handbook of Optics (N), JOSA 68: 1650

Meggers, William F., Award, 1977, Mark S. Fred and Frank S. Tomkins (N), JOSA 67: 1136

National Research Council report (N), JOSA 67: 1709

1976 Pittsburgh Conference (N), JOSA 66: 639

Student Awards 1977 (N), JOSA 67: 1291

Using uniform color scales (N), JOSA 67: 996

U. S. Office of Naval Research, ONR, thirtieth anniversary symposium (N), JOSA 66: 1315

## Fusion

See also Lasers

Absorption of focused light by spherical plasmas (T): comment (L), JOSA 69: 1186

Active mirror: large aperture, repetition-rate Nd:Glass amplifier (A), JOSA 68: 542

Analysis of the fusion effectiveness of active and passive pulse stackers (A), JOSA 66: 390

Analysis of the gaseous content of microballoon laser fusion targets (A), JOSA 68: 544

Angle amplifying optics using plane and ellipsoidal reflectors (P), AO 17: 1472

Antares optical design and analysis (A), JOSA 68: 543

Antares target system optical design (A), JOSA 68: 1374

Application of chemical vapor deposition to the fabrication of laser fusion targets (A), JOSA 68: 550

Application of the LOTS computer code to the Antares laser fusion system and other physical optics problems (A), JOSA 68: 1436

Applications of inertial confinement fusion (A), JOSA 68: 545

Approaches to extremely high-power, high-energy laser systems (A), JOSA 68: 542

Aspheric lens and ellipsoidal reflector to uniformly heat a sphere (A), JOSA 66: 1122

Automated laser fusion target production concept (A), JOSA 68: 550

Batch processing techniques for microballoon fusion targets (A), JOSA 68: 545

Beam diagnostic package for the Omega/Zeta laser system (A), JOSA 68: 1363

Beryllium fluoride glasses for fusion lasers (A), JOSA 68: 542

Burn-through of thin aluminum foils by laser-driven ablation (A), JOSA 68: 544

Calorimeter for laser beams and plasma diagnostics (A), JOSA 68: 547

Carbon dioxide laser systems for fusion studies (A), JOSA 66: 387

Characteristics of the Argus laser beam (A), JOSA 67: 250

Characterization of p-type germanium for  $10\text{ }\mu\text{m}$  region passive isolation and pulse shaping (A), JOSA 68: 543

Characterization of the fuel content of D-T filled laser fusion microballoon targets (A), JOSA 68: 544

Classical calculation of inverse bremsstrahlung for intense fields (A), JOSA 68: 544

$\text{CO}_2$  laser fusion target alignment (A), JOSA 68: 543

$\text{CO}_2$  laser systems studies (A), JOSA 68: 546

Composite x-ray pinholes for time-resolved microphotography of laser compressed targets (E), AO 16: 1253

Computer simulation of space-charge effects in the transport of high-energy ion beams (A), JOSA 68: 546

Concepts for final optics for laser fusion power plants (A), JOSA 68: 546

Confirmation of radiation pressure effects in laser-plasma interactions (A); JOSA 68: 544

Considerations of energy transport in laser fusion targets (A), JOSA 68: 544

Containment vessel structural design considerations (A), JOSA 68: 546

Continuous wave oscillation of Nd:phosphate glass laser (A), JOSA 68: 631

Controlling surface finished in vacuum deposited coating for laser fusion targets (A), JOSA 68: 550

Critical surface phenomena in intense microwave plasma interactions (A), JOSA 68: 543

Design, construction, and initial performance of Argus. A two-beam laser irradiation facility (A), JOSA 66: 388

Designing large-aperture Pockels' cells (A), JOSA 66: 388

Design of disk laser amplifiers for laser fusion applications (A), JOSA 66: 388

Design of illumination systems for two-beam laser fusion experiments (A), JOSA 66: 390

Design techniques and measured performance for a uniformly pumped 4 cm diameter rod amplifier (A), JOSA 66: 388

Determination of gases contained in laser fusion targets (A), JOSA 68: 544



Deuterated polyethylene microspheres of variable density for laser fusion targets (A), JOSA 68: 544

Deuterium-tritium pellet shapes and constructions (A), JOSA 69: 1446

Development of broadband gas isolator mixes for high-power CO<sub>2</sub> lasers (A), JOSA 68: 543

Development of high average power drives technology for inertially confined fusion systems (A), JOSA 68: 545

Diagnosis of Shiva-Nova-produced high yield thermonuclear events (A), JOSA 68: 548

Diagnostics for laser fusion implosion experiments (A), JOSA 68: 547

Diagnostics of Shiva Nova high-yield thermonuclear events (E), JOSA 68: 1731

Dielectric target fabrication for electron beam fusion (A), JOSA 68: 544

Direct measurement of the accuracy of CO<sub>2</sub> laser alignment on target (E), AO 17: 3809

Discharge studies of rare-earth halide vapors and potential fusion laser systems (A), JOSA 68: 548

Dynamic model of xenon-pumped Nd:glass large-aperture amplifiers (A), JOSA 69: 1446

Effects of gain saturation on the beam quality of a high-power atomic iodine laser (A), JOSA 68: 549

Effects of window segmentation on the LASL 100 kJ CO<sub>2</sub> laser-fusion system (A), JOSA 67: 1405

Efficient third harmonic generation of CO<sub>2</sub> laser radiation in liquid CO-O<sub>2</sub>-SF<sub>6</sub> mixtures (A), JOSA 68: 549

Electron and ion beam inertial confinement fusion in the United States (A), JOSA 68: 545

Electron beam initiated fusion-target fabrication (A), JOSA 68: 544

Electron beam pinching from discrete large-diameter cathodes (A), JOSA 68: 545

Electron-beam sustained-discharge HgCl laser (A), JOSA 68: 549

Electron transport in a spherically symmetric plasma (A), JOSA 68: 549

Ellipsoidal illumination system optimization for laser fusion experiments (T), AO 14: 1274

Energy extraction and beam-quality measurements of a high-energy HF laser (A), JOSA 68: 549

Energy extraction and pulse shaping in Antares (A), JOSA 68: 543

Environmental effects and potential hazards of laser fusion electric generating stations (A), JOSA 68: 546

Environment and safety features of a laser fusion reactor concept (A), JOSA 68: 546

Estimates of density and temperatures, attained in recent neon compression experiments (A), JOSA 68: 549

Evaluation of new neodymium glasses for fusion laser amplifiers (A), JOSA 66: 388

Experimental and theoretical characterization of the Omega prototype laser beamline (A), JOSA 68: 542

Experimental observations of resonance absorption and efficient stimulated Brillouin scattering in a laser-irradiated plasma (A), JOSA 68: 544

Experimental studies of fast ions from laser-produced plasmas (A), JOSA 68: 544

Exploding pusher performance at fixed laser power: a theoretical model (A), JOSA 68: 549

Exploding pusher target experiments at the Lawrence Livermore Laboratory (A), JOSA 68: 549

Extraction of an intense neutralized ion beam from a quiescent plasma (A), JOSA 68: 546

Fabrication of complex cryogenic targets (A), JOSA 68: 550

Fabrication of cryogenic laser fusion targets (A), JOSA 68: 550

Fabrication of glass shells (A), JOSA 68: 544

Fluorophosphate glass for fusion lasers (A), JOSA 68: 542

Focusing lenses for the 20-beam fusion laser, Shiva (A), JOSA 66: 388

Free-electron lasers for laser fusion (A), JOSA 68: 549

Fundamentals of ICF reactor design (A), JOSA 68: 546

Future developments in laser fusion systems (A), JOSA 69: 1437

Gekko IV: a four-beam phosphate glass laser system (A), JOSA 68: 542

Heavy-ion fusion at Argonne National Laboratory (A), JOSA 68: 546

Heavy-ion fusion at Brookhaven National Laboratory (A), JOSA 68: 546

Heavy-ion fusion at Lawrence Berkeley Laboratory (A), JOSA 68: 546

High performance avalanche transistor switchout for external pulse selection at 1.06  $\mu$ m (E), AO 17: 3184

High power Nd:glass laser for fusion applications (E), AO 13: 2081

High power output stages of a Nd:glass laser system for fusion applications (E), AO 15: 1450

High-radiance Nd-doped disk laser amplifiers for the Shiva laser system (A), JOSA 68: 548

High-resolution time-resolvable flash x-radiography system (A), JOSA 68: 547

High thermonuclear energy gains with a low tritium inventory for inertially confined fusion (A), JOSA 68: 546

Impact of a laser fusion breeder on nuclear economy (A), JOSA 68: 546

Impact of truncated Maxwellian electron velocity distribution on ion expansions from laser-irradiated targets (A), JOSA 68: 544

Improved performance of fusion lasers using the imaging properties of multiple spatial filters (TE) (L), AO 16: 779

Increase of nuclear reaction gains from reheat calculations of inertial confinement using a collective model (A), JOSA 68: 550

Increasing the beam quality and the efficiency of a glass laser by using circular polarization, phosphate glass and double-pass amplifiers (A), JOSA 68: 542

Inertial confinement fusion at NRL (A), JOSA 68: 548

Inertial confinement fusion targets (A), JOSA 68: 542

Inertially confined fusion with heavy ion beams (A), JOSA 68: 545

Intense pulsed linear ion accelerators for inertial fusion (A), JOSA 68: 546

Interferometric evaluation of diamond-turned mirrors for CO<sub>2</sub> laser fusion (A), JOSA 69: 1417

Interferometric measurement of cyrogenic laser fusion target uniformity (L), AO 17: 852

Interferometric measurement of laser fusion targets (TE), AO 17: 3641

4 $\pi$  Interferometric measurements of laser fusion targets (A), JOSA 68: 544

10 KJ laser fusion target optical subsystem (A), JOSA 68: 542

KMSF laser subsystems (A), JOSA 66: 390

Large-aperture double-discharge 1800 Torr CO<sub>2</sub> laser amplifier (A), JOSA 68: 543

Laser-driven implosion of gas-filled glass microballoons (A), JOSA 68: 545

Laser fusion employing six orthogonal laser beams (A), JOSA 66: 1122

Laser fusion experiments in Osaka (A), JOSA 68: 543

Laser fusion experiments with cryogenic targets (A), JOSA 68: 550

Laser fusion films available (N), AO 17: 2523

Laser fusion for electric power production (A), JOSA 68: 545

Laser fusion microballoon characterization using a single-pass ac interference microscope (A), JOSA 67: 1386

Laser fusion program in West Germany (A), JOSA 68: 548

Laser fusion reactor design study (A), JOSA 68: 546

Laser fusion research in France (A), JOSA 68: 548

Laser fusion studies at the University of Rochester (A), JOSA 68: 548

Laser fusion systems overview (A), JOSA 66: 390

Laser fusion target illumination system (ET), AO 14: 1267

Laser fusion target illumination system: comments (T) (L), AO 15: 14

Laser fusion target positioning (A), JOSA 68: 550

Laser induced damage in optical materials: ninth ASTM symposium (R), AO 17: 2386

Laser-induced fusion (A), JOSA 65: 1204

Laser Plasmas and Nuclear Energy. By Heinrich Hora (B), Reviewed by Coffey, Timothy, AO 15: 1107

Laser start-up for magnetic fusion (A), JOSA 66: 388

Laser start-up system for magnetic mirror fusion (E), AO 16: 1243

Laser system design considerations for laser fusion power plants (A), JOSA 68: 546

Laser-target and laser isolation for Shiva (A), JOSA 68: 547

Laser-thermonuclear fusion of deuterium and tritium nuclei (A), JOSA 69: 1446

Laser waveform generator (P), AO 15: 2037

LASL 100 DJ CO<sub>2</sub> laser for ICF research: Antares (A), JOSA 68: 543

LASL eight-beam laser target insertion system (A), JOSA 68: 543

LASNEX code for inertial confinement fusion (A), JOSA 68: 549

Light absorption and scattering mechanisms in laser fusion plasmas (A), JOSA 68: 543

Light-plasma interaction studies with high-power glass laser (E), JOSA 67: 717

Linear picosecond pulse shaping technique (A), JOSA 68: 1435

Low aspect ratio double shells for high density and high gain (A), JOSA 68: 549

Magnetic field generation by the Rayleigh-Taylor instability (A), JOSA 68: 549

Magneto-optical switch for synchronization of CO<sub>2</sub> and red laser beams (A), JOSA 68: 1389

Measurement of alignment accuracy for laser fusion experiments (E) (L), AO 17: 1160

Measurements of material response and implosion dynamics of ICF targets (A), JOSA 68: 549

Microradiographic measurement of laser fusion targets (A), JOSA 68: 545

Microradiographs of laser fusion targets: 2-D modeling and analysis (ET), AO 18: 1266

Microradiography of laser fusion targets with monochromatic X rays (A), JOSA 68: 545

Microscopy of laser fusion plasmas using Fresnel zone structures. I. Fresnel zone plate coded imaging. II. Efficient x-ray lensing elements (A), JOSA 68: 547

Minimum-release, high-pressure DT fill system for laser fusion targets (A), JOSA 68: 544

25 MJ energy storage and delivery system for the Shiva laser (A), JOSA 68: 548

Modification of the UV absorption profile of CF<sub>3</sub>I with vibrational excitation (A), JOSA 68: 549

Monochromatic soft-x-ray source for contact microradiography (A), JOSA 69: 1445

Nanosecond CO<sub>2</sub> single-beam target irradiation (A), JOSA 68: 544

Nanosecond pulse amplification in CO<sub>2</sub> at efficiencies exceeding 20% (A), JOSA 68: 547

Nanosecond pulse generation from a self-injected laser-pumped dye laser using a novel cavity-flipping technique (E), OL 3: 167

NBS provides spectra of highly ionized molybdenum and heavy elements, for fusion diagnostics (N), AO 16: 1399

Neutralized transport and focusing of ion beams (A), JOSA 68: 545

New glasses for neodymium fusion lasers (A), JOSA 68: 1393

Nonlinear development of the Rayleigh-Taylor instability in laser-driven implosions (A), JOSA 68: 549

Nova: the laser fusion scientific feasibility experiment (A), JOSA 68: 548

Off-axis multipass laser system (A), JOSA 68: 542

Omega laser system for fusion experiments (A), JOSA 68: 542

Omega X, a high peak power glass laser users facilities (A), JOSA 66: 390

Optical analysis and predictions for the LASL eight-beam CO<sub>2</sub> laser fusion system (A), JOSA 68: 543

Optical analysis of the LASL 10 kJ CO<sub>2</sub> laser fusion system (A), JOSA 67: 1405

Optical design of a 100 kJ CO<sub>2</sub> laser-fusion system (A), JOSA 67: 1405

Optical evaluation of Los Alamos Antares 100-kJ CO<sub>2</sub> laser-fusion system (A), JOSA 68: 1374

Optical evaluation of Los Alamos Antares 100-kJ CO<sub>2</sub> laser-fusion system. II (A), JOSA 69: 1439

Optical materials for fusion lasers (A), JOSA 69: 1437

Optical methods in energy conversion, SPIE seminar-in-depth, Rochester, 23-25 Jun 1975 (M), Reported by Schott, G. L., AO 14: 2784

Optical performance calculations for a 100 kJ CO<sub>2</sub> laser-fusion system (A), JOSA 67: 1405

Optical pulse shaping with a grating pair (ET), AO 18: 2500

Optical simulation of a technique for obtaining submicron resolution x-ray images in laser pellet compression experiments (ET) (L), AO 17: 1



Optimization of Nd:Glass lasers for 1–10 ns pulses (A), JOSA 68: 542

Oscillators for phosphate glass laser system (A), JOSA 68: 542

Overview of rare-gas halide lasers (A), JOSA 68: 548

Overview of the Shiva laser computer control system (A), JOSA 68: 547

Overview of the U.S. inertial confinement fusion program (A), JOSA 68: 542

Parabolic axicon (T) (L), AO 13: 1291

Parametric analysis of a relativistic electron beam fusion reactor (A), JOSA 68: 546

Particle beam targets containing preheated fuel and magnetic fields (A), JOSA 68: 549

Performance of Nd:glass lasers (A), JOSA 68: 542

Photolytic and energy transfer studies of laser media using two-quantum excitation (A), JOSA 68: 548

Physical processes and energy balance in laser targets (A), JOSA 68: 542

Physics and engineering of high-power laser systems (A), JOSA 66: 388

Physics of Quantum Electronics, Vol. 3, Laser Induced Fusion and X-Ray Laser Studies. Edited by Stephen F. Jacobs, Marlan O. Scully, Murray Sargent III, and Cyrus D. Cantrell III (B), Reviewed by Palumbo, Louis J., JOSA 67: 988

Picosecond pulse stacking in calcite (ET) (L), AO 18: 947

Plans for picosecond interferometry of plasmas (A), JOSA 68: 547

Plasma polymerization coating of D-T filled glass shells for laser fusion targets (A), JOSA 68: 550

Plasma polymerized films as laser fusion targets (A), JOSA 68: 550

Plating laser-fusion targets (A), JOSA 68: 550

Power flow studies for fusion-oriented particle accelerators (A), JOSA 68: 545

Preliminary laser-driven implosion experiments using the Shiva target irradiation facility (A), JOSA 68: 549

Preliminary SHIVA laser-target experiments (A), JOSA 68: 1646

Prepulse elimination in high-power CO<sub>2</sub> lasers (A), JOSA 66: 387

Production and focusing of intense light ion beams (A), JOSA 68: 545

Production of focused ion beams for inertial confinement fusion by means of magnetically insulated diodes (A), JOSA 68: 545

Production of power plant inertial confinement fusion targets (A), JOSA 68: 550

Progress in Lasers and Laser Fusion. Edited by Arnold Perlmutter and Susan M. Widmayer (B), Reviewed by Waynant, Ronald W., AO 15: 2292

Prospects for advanced lasers in inertial confinement fusion (A), JOSA 68: 548

Prototype Antares power amplifier module (A), JOSA 68: 543

Pulsed power technology for fusion experiments (A), JOSA 68: 545

Pulse shape generator for laser fusion (TE), AO 15: 462

Pulse shaping considerations for large laser systems (A), JOSA 68: 542

Pyroelectric vidicons for measurements on CO<sub>2</sub> laser systems (A), JOSA 68: 543

Radiographic selection of laser fusion targets: hollow metal shells and plastic coatings (A), JOSA 68: 1364

Raman pulse compression of KrF lasers for laser fusion applications (A), JOSA 68: 548

Rare-earth vapors as fusion laser gain media (A), JOSA 68: 548

Rayleigh-Taylor stability in the pellet ablation layer (A), JOSA 68: 549

REB pinching, transport, and combination in plasma channels for ICF (A), JOSA 68: 545

Reconstruction of spherically symmetric objects from slit-imaged emission: application to spatially resolved spectroscopy (TE), OL 3: 54

Reflective optics system for uniform spherical illumination (T), AO 14: 985

Requirement for glass composition and/or crystal growth research on optical materials (N), AO 15: 2275

Requirements for commercialization of inertial confinement fusion (A), JOSA 68: 546

Scintillator-photomultiplier response to a simulated REB generated thermonuclear neutron pulse (A), JOSA 68: 547

Semiautomated analysis of radiographs of laser fusion targets (A), JOSA 68: 545

Shiva alignment systems (A), JOSA 68: 547

Shiva laser beam diagnostics (A), JOSA 68: 548

Shiva laser performance (A), JOSA 68: 547

Shiva laser system for fusion research (A), JOSA 68: 547

Shiva mechanical systems (A), JOSA 68: 548

Shiva optical system (A), JOSA 68: 548

Short-pulse oscillator for Shiva (A), JOSA 68: 547

Smooth pulse oscillator for iodine laser (A), JOSA 68: 549

Soviet laser fusion program (A), JOSA 68: 542

Soviet particle beam fusion program (A), JOSA 68: 545

Spectral line shape in inhomogeneous dense plasma (A), JOSA 68: 547

Stability of multiple shell ICF capsules (A), JOSA 68: 549

Stability of the K-V distribution in long periodic transport systems (A), JOSA 68: 546

Stabilization of high-gain multipass power amplifiers using saturable absorbers: experience of the LASL eight-beam system (A), JOSA 68: 543

Status of photolytic group VI laser experiments (A), JOSA 68: 548

Strength optimization of coatings using material laminate techniques (A), JOSA 68: 550

Synchronized diagnostic pulse system for fusion lasers (A), JOSA 68: 547

Synthetic fuel production from ICF sources (A), JOSA 68: 546

Tame turbulence in laser absorption (A), JOSA 68: 543

Target diagnostic system for the Shiva laser fusion facility (A), JOSA 68: 547

Target fabrication for inertial confinement fusion research (A), JOSA 68: 545

TbCl<sub>3</sub>-AlCl<sub>3</sub> vapors: characteristics of a potential new high-energy gas phase laser medium (A), JOSA 68: 549

Temperature and density diagnostics for spherical shells of laser-generated plasmas (A), JOSA 68: 547

Temporal shaping of picosecond optical pulses using a diffraction grating pair (A), JOSA 68: 1435

Theoretical maximum efficiencies for passive optical pulse shaping systems (T), JOSA 68: 919

Theoretical studies involving candidate group via laser systems (A), JOSA 68: 548

Tritium processing systems for inertial confinement fusion facilities (A), JOSA 68: 546

Two-beam Argus performance at 5 TW (A), JOSA 68: 542

Two-beam CO<sub>2</sub> laser system for laser-induced fusion experiments (A), JOSA 66: 387

Two-dimensional computer modeling and analysis of thin-wall microspheres (A), JOSA 68: 545

Uniform illumination of spherical laser fusion targets (T), AO 16: 2764

Uniformly redundant array imaging of laser driven compressions: preliminary results (E) (L), AO 18: 945

Vacuum UV imaging of a laser-produced plasmas (A), JOSA 68: 547

Variable pulse-width generation for CO<sub>2</sub> lasers in the 100 ps to 1 ns range (A), JOSA 68: 543

Wave-front shearing interferometer for cryogenic laser-fusion targets (E), AO 18: 2971

Wavelength scaling of laser fusion experiments (A), JOSA 68: 544

X-ray diagnostics in laser-fusion experiments (A), JOSA 69: 1437

X-ray measurement of laser fusion targets using least-squares fitting (E), AO 18: 4116

X-ray shadowgraphing in laser-produced plasma experiments (E), OL 1: 76

X-ray spectroscopic measurement of *QR* and comparison with theory in laser-produced targets (A), JOSA 68: 550

X-ray spectroscopy of plasmas from glass microspheres irradiated with 10  $\mu$ m laser light (A), JOSA 68: 547

## Gadolinium

Optical properties of Gd, Dy, and Tb (E), JOSA 64: 1332

## Gallium

Ground-state term intervals in multiply ionized zinc (Zn V, Zn VI) and gallium (Ga V, Ga VI, Ga VII) (E), JOSA 64: 702

Measurement of the lowest S-state lifetime at Al, Ga, In, and Tl (E), JOSA 67: 491

## Gallium arsenide

See also Lasers, GaAs

Bragg coupling efficiency for guided acoustooptics interaction in GaAs (TE), AO 13: 156

High-precision study of excited-state transitions of shallow donors in semiconductors (E), JOSA 67: 947

Investigations of GaAs/GaAlAs waveguide lasers with second-order distributed feedback (A), JOSA 66: 288

Monolithic GaAs circuit elements for integrated optics (A), JOSA 66: 288

Multilayer GaAs-Al<sub>0.3</sub>Ga<sub>0.7</sub>As dielectric quarter wave stacks grown by molecular beam epitaxy (E), AO 14: 2627

Single-crystal electrooptic thin-film waveguide modulators for infrared laser systems (E), AO 13: 2529

Zinc-diffused two-dimensional optical waveguides in n-type GaAs (ET), AO 15: 1394

## Gamma rays

See also Lasers, gamma ray

Gamma-ray imaging with stochastic apertures (T), AO 13: 2589

Stimulated emission from nuclei (T), AO 13: 2499

## Garnets

Diamagnetic Faraday effect in the garnets YAG, YGG, and GGG (A), JOSA 64: 1383

Far-infrared spectra of dysprosium and terbium iron garnet (E), JOSA 64: 880

## Gases

See also specific gases

Measurement of gas properties: comments on the laser Raman workshop (M), Reported by Lapp, Marshall; Penney, C. M., AO 13: 9A14

Non-dispersive multiple gas analyzer (P), AO 15: 1347

Spectrophysics. By Anne P. Thorne (B), Reviewed by Condell, W. J., Jr., AO 14: 2308

Geodesy

Correction for errors in optical pulsed range measurements (ET), AO 14: 752

Correction of laser tracking data for the effects of horizontal refractivity gradients (TE), AO 16: 2427

Envelope interferometry for large-scale processing (T), AO 13: 2689

Optical pulsed ranging: method for improving measurement accuracy (T) (L), AO 15: 1684

## Geometrical optics

See also specific topics

Aberration balancing in rotationally symmetric lenses (T), JOSA 64: 1083

Aberrations of curved zone plates and Fresnel lenses (T), AO 16: 1701

Aberrations of ellipsoidal reflectors for unit magnification (T), AO 13: 2931

Aberrations of the Symmetrical Optical System. By W. T. Welford (B), Reviewed by Rank, David H., AO 14: 2308

Aberrations of the Symmetrical Optical System. By W. T. Welford (B), Reviewed by Lit, John W. Y., JOSA 65: 973

Absorption of focused light by spherical plasmas (T): comment (L), JOSA 69: 1186

Analytical illuminance and caustic surface calculations in geometrical optics (T), AO 15: 2588

Analytic merit function based on Buchdahl's aberration coefficients (T), JOSA 66: 1037

Anastigmatic two-mirror telescopes: some new types (T), AO 16: 1178

Angular scattering and rainbow formation in pendant drops (TE), JOSA 69: 1083

Angular scattering and rainbow formation in pendant drops (TE), JOSA 69: 1195

Aplanatic optical system containing two aspheric surfaces (T), AO 18: 2187

Aplanatic two-mirror telescopes: a systematic study. 1: Cassegrainian configuration (T), AO 13: 2064



- Aplanatic two-mirror telescopes: a systematic study. 2: The Gregorian configuration (T), AO 13: 2402
- Aplanatic two-mirror telescopes: a systematic study. 3: The Schwarzschild-Couder configuration (T), AO 14: 992
- Arcs associated with halos of unusual radii (T), JOSA 69: 1093
- Aspheric lens and ellipsoidal reflector to uniformly heat a sphere (A), JOSA 66: 1122
- Average irregularity representation of a rough surface for ray reflection (TE), JOSA 65: 531
- Backscattering of light from optical fibers with arbitrary refractive-index distributions: uniform approximation approach (T), JOSA 68: 1298
- Beam expander telescope design utilizing fast spherical primaries (T), AO 18: 1240
- Cassegrain telescopes: limits of secondary movement in secondary focusing (T), AO 15: 1266
- Caustic surface and the Coddington equations (T) (L), JOSA 66: 76
- Caustic surface merit functions in optical design (A), JOSA 66: 1122
- Caustic surface of an optical system (A), JOSA 65: 1176
- Caustic surfaces and the structure of the geometrical image (T), JOSA 66: 795
- Characteristics of a Gaussian beam at a dielectric interface (T), JOSA 68: 508
- Compound catadioptric telescopes with all spherical surfaces (T), AO 17: 1519
- Computation of rms spot radii by ray tracing (T), AO 13: 2585
- Computer program based on proximate ray tracing (A), JOSA 66: 1121
- Computer program for propagation of an optical beam through an optical system (A), JOSA 67: 1394
- Computer synthesized filament images from reflectors and through lens elements for lamp design and evaluation (TE), AO 14: 684
- Cone collectors for finite sources (T) (L), AO 17: 688
- Correcting inherent aberrations in the grating rhomb beam sampler (T), AO 18: 4178
- Deformation of a large optic caused by localized sudden thermal input (A), JOSA 69: 1458
- Descartes and the corpuscular theory of light (A), JOSA 65: 1175
- Descartes, Newton, and Snell's law, JOSA 66: 1
- Design of optics for irradiance redistribution of laser beams (A), JOSA 69: 1456
- Determining the refractive index profile of a lenslike medium (TE), JOSA 67: 1672
- Dielectric compound parabolic concentrators (T) (L), AO 15: 291
- Directional change of beams undergoing partial reflection (T) (L), JOSA 67: 703
- Distance measuring based on caustics (T), AO 16: 722
- Distortion calculation of a curved focal surface (A), JOSA 64: 1359
- Elementary derivation of the phase shift at a caustic (T) (L), AO 15: 2949
- Empfangsleistung in Abhängigkeit von der Zielentfernung bei optischen Kurzstrecken—Radargeräten (TE), AO 13: 641
- Energy over the caustic surface (A), JOSA 66: 1122
- Extraordinary-ray and -wave tracing in uniaxial crystals (T), AO 14: 2298
- Failure of geometric optics for analysis of circular optical fibers (T), JOSA 64: 608
- Family of compact Schmidt-Cassegrain telescope designs (T) (L), AO 13: 1765
- Flat-sided rectilinear trough as a solar concentrator: an analytical study (T), AO 17: 1870
- Generalization of the principal plane concept and its application (A), JOSA 69: 1456
- Generalized equations for the calculation of absorptance, reflectance, and transmittance of a number of parallel surfaces (T), AO 17: 531
- Generalized parameters for tunneling ray attenuation in optical fibers (T), JOSA 68: 110
- Geodesic optical waveguide lens analysis (T), JOSA 67: 1293
- Geometrical and Physical Optics, 3rd Edition. By R. S. Longhurst (B). Reviewed by Streete, John L., AO 15: 1107
- Geometrical design for aspheric reflecting systems (T), AO 18: 4182
- Geometrical optics and dynamic programming (T), JOSA 66: 60
- Geometrical optics field of general optical systems (T), JOSA 69: 891
- Geometrical optics of holograms (T), JOSA 65: 903
- Geometrical vector flux and some new nonimaging concentrators (T), JOSA 69: 532
- Geometric optical theory of diffraction gratings (T), JOSA 69: 1530
- Geometry of the half-symmetric image (T), JOSA 68: 739
- Graphical ray tracing for conic surfaces (T) (L), AO 18: 3075
- Hyperbolic cone-channel condenser (TE), OL 2: 22
- Ideal flux concentrators as shapes that do not disturb the geometrical vector flux field: a new derivation of the compound parabolic concentrator (T), JOSA 69: 536
- Ideal flux concentrators with reflector gaps (T) (L), AO 17: 1668
- Imaging analysis of mirrors from normal to grazing incidence (T), JOSA 66: 938
- Imaging properties of a conic axicon (T) (L), AO 13: 1762
- Imaging properties of off-axis parabolic mirrors (T), AO 18: 2714
- Index profiles for generalized Luneburg lenses and their use in planar optical waveguides (T), JOSA 67: 1010
- Inhomogeneous optical waveguide lens analysis (T), JOSA 67: 1004
- Intensity redistribution (A), JOSA 69: 1456
- Introduction to Matrix Methods in Optics. By A. Gerrard and J. M. Burch (B). Reviewed by Stavroudis, Orestes N., JOSA 66: 392
- Leaky rays on circular optical fibers (T), JOSA 64: 599
- Lens-mirror combinations with maximal concentration (A), JOSA 66: 1068
- Lens-mirror combinations with maximal concentration (TE), AO 16: 2677
- Longitudinal tomography and imaging with a masked mirror (T) (L), JOSA 68: 1005
- Matrices and lens calculations: comments (L), AO 18: 1126
- Matrices and lens calculations: comments (L), AO 18: 1126
- Matrix methods in geometrical optics: the last word (L), AO 18: 1841
- Measurement of spherical aberrations using a solid-state image sensor (E), AO 18: 3866
- Measuring the magnifying power of Keplerian telescopes (T) (L), AO 17: 3520
- Moire topography (T), AO 14: 177
- Mountain shadow phenomena (ET), AO 18: 265
- New analytic method for computing the optical transfer function (A), JOSA 66: 1122
- Nomograph for the calculation of the index of refraction of a prism (T) (L), AO 13: 2449
- Novaya Zemlya effect: an arctic mirage (T), JOSA 69: 776
- Null Ronchi gratings from spot diagrams (ET) (L), AO 16: 2602
- Numerical study of scattering by large dielectric spheres (T), JOSA 68: 130
- Off-center aberrations in nonaligned systems (T), JOSA 68: 1250
- Optical analysis of integrated boresight-focus sensor system (A), JOSA 67: 1394
- Optical design of reflectors. part 1 (TE) (L), AO 17: 673
- Optical design of reflectors. part 2 (TE) (L), AO 17: 977
- Optical fiber eigenvalue equation: plane wave derivation (T), AO 15: 2121
- Optics of Nonimaging Concentrators. By W. T. Welford and R. Winston (B). Reviewed by Hunter, W. R., AO 18: 1127
- Optics of Nonimaging Concentrators. By W. T. Welford and R. Winston (B). Reviewed by Stavroudis, Orestes N., JOSA 69: 1624
- Optics textbooks (N), AO 16: 2780
- Parabolic axicon (T) (L), AO 13: 1291
- Parabolic axicon (T): comments (L), AO 14: 2335
- Parabolic axicon (T): reply to comments (L), AO 14: 2335
- Phase from intensity measurements (T), JOSA 68: 87
- Polarization and losses of whispering-gallery waves along twisted trajectories (TE), JOSA 69: 1218
- Primary aberration contributions for curved Fresnel surfaces (T), JOSA 68: 1306
- Primary aberrations for grazing incidence (T), AO 16: 2464
- Principal direction assignment in generalized ray tracing (A), JOSA 66: 1121
- Problem of ideal flux concentrators (T), JOSA 68: 531
- Problem of ideal flux concentrators: addendum (T) (L), JOSA 69: 367
- Propagation of a Gaussian pulse through an optical fiber: applicability of geometrical optics (T) (L), AO 14: 2330
- Properties of a transmission grating behind a grazing incidence telescope for cosmic x-ray spectroscopy (T), AO 16: 1425
- Properties of caustics from conic reflectors. 1: Meridional rays (T), AO 16: 1705
- Properties of the shadow cast by a half-screen when illuminated by a Gaussian beam (T), JOSA 69: 1503
- Proximate ray tracing and optical aberration coefficients (T), JOSA 66: 405
- Proximate ray tracing and wave aberration coefficients (T), JOSA 66: 942
- Quasi-homogeneous sources and geometrical optics (T), OL 4: 354
- Ray and energy propagation in graded-index media (T), JOSA 65: 169
- Ray attenuation in lossless dielectric structures (T), JOSA 64: 956
- Ray launching and observation in graded-index optical fibers (T), JOSA 69: 294
- Ray-optical analysis of cylindrical unstable resonators (T), JOSA 69: 563
- Ray tracing in gradient-index media, JOSA 65: 451
- Ray tracing in optical rods (A), JOSA 66: 1122
- Ray tracing in tilted, decentered, displaced gradient-index optical systems (T), JOSA 66: 789
- Ray tracing through funnel concentrator optics (T), AO 17: 1466
- Rearview periscope comprised of two concave cylindrical mirrors (E), AO 17: 1687
- Recent advances in astronomical optics: comments on (T) (L), AO 13: 22
- Reflexicon, a new reflective optical element, and some applications: comment (T) (L), AO 13: 1764
- Reflexicon, a new reflective optical element, and some applications: reply to comment (T) (L), AO 13: 1764
- Reflective optics for obtaining prescribed irradiative distributions from collimated sources (TE), AO 13: 1444
- Refractive-index distribution for a prescribed ray path (E), JOSA 69: 450
- Relationship between the geometric and matrix representations of Gaussian optics (A), JOSA 64: 564
- Retroreflection from spherical glass beads in highway pavement markings. 1: Specular reflection (T), AO 17: 1855
- Retroreflection from spherical glass beads in highway pavement markings. 2: Diffuse reflection (a first approximation calculation) (T), AO 17: 1859
- Schmidt plate produced in photoresist (A), JOSA 64: 544
- Simpler derivation of the formulas for generalized ray tracing (T), JOSA 66: 1330
- Solar concentrating properties of a rectilinear flat-sided trough (A), JOSA 66: 1069
- Solar concentrating properties of some simple truncated cones (A), JOSA 66: 1070
- Solar concentrating properties of truncated pyramidal, hexagonal, and circular cones (A), JOSA 67: 1395
- Solar concentrating properties of truncated hexagonal, pyramidal and circular cones (T), AO 17: 2431
- Solar concentrator flux distributions using backward ray tracing (T), AO 18: 2696
- Some new results in geometrical optics (A), JOSA 68: 1452
- Spherically corrected reflecting objective for unit magnification (T), AO 13: 2580
- Stigmata using two curved Fresnel surfaces (T), AO 18: 4187
- Surface-contribution algorithms for analysis and optimization (T), JOSA 66: 8
- Surface-contribution algorithms for analysis and optimization: comment (L), JOSA 66: 628
- Surface contribution algorithms for analysis and optimization: reply (L), JOSA 66: 630
- Surface topography by caustics (T), AO 15: 1629
- Symmetrical and asymmetrical ideal cylindrical radiation transformers and concentrators (T), JOSA 69: 325
- Teaching of advanced geometric optics (L), AO 17: 2128
- Three-mirror telescopes: design and optimization (T), AO 17: 2677



- Tilting a field in an optical system (P), AO 16: 13
- Time-dependent geometrical optics (T), JOSA 66: 1042
- Two-dimensional concentrators for inhomogeneous media (T), JOSA 68: 289
- Two-dimensional nonimaging concentrators with refracting optics (T) (L), JOSA 69: 917
- Two well-corrected four-mirror telescopes (T) (L), AO 13: 1767
- Uniform illumination of spherical laser fusion targets (T), AO 16: 2764
- Unobscured laser-beam-expander pointing system with tilted spherical mirrors (T) (L), AO 13: 21
- Wave path of a Gaussian beam in an inhomogeneous medium (T), JOSA 66: 63
- Well baffled two-mirror corrector for a parabola (T), AO 16: 1175
- Wigner distribution function and its application to first-order optics (T), JOSA 69: 1710
- Zoom lens design by pocket calculator (T) (L), AO 17: 1162
- Zoom null lens (T), AO 18: 3863

## Germanium

- Absorption spectrum of Ge I between 1500 and 1900 Å (E), JOSA 67: 584
- Effect of surface roughness on change of the polarization state of light reflected from silicon and germanium (ET), AO 15: 115
- 2% Efficient phase-conjugate reflection in germanium at 10.6  $\mu\text{m}$  (A), JOSA 68: 1628
- Excitation-level dependence of the photoluminescence spectrum of germanium (A), JOSA 66: 1082
- Far-infrared study of excitons, electron-hole drops, and impurity systems in germanium (E), JOSA 67: 931
- Infrared absorption in germanium and silicon (A), JOSA 67: 253
- Infrared generation by nonlinear 4-photon mixing in germanium (A), JOSA 67: 255
- Laser-produced x-ray spectra of the fluorine isoelectronic sequence for Zn, Ge, and Se (E), JOSA 67: 741
- Line shape cyclotron resonance in  $n$ -type germanium at 337  $\mu\text{m}$  in the temperature range 15–80 K (E), JOSA 67: 935
- 16  $\mu\text{m}$  generation from four-wave mixing in germanium (A), JOSA 68: 1639
- Nonlinear reflection properties of germanium associated with thermal effects (T), AO 17: 520
- Nonlinear refractive-index measurement using temporary gratings (A), JOSA 65: 1181
- Oscillating infrared saturability of  $p$ -Ge (A), JOSA 66: 1073
- Pressure tuning of picosecond pulse transmission in germanium (A), JOSA 66: 1073
- Pulsewidth dependence of nonlinear transmission of picosecond pulses in germanium (A), JOSA 66: 1072
- Reflectivity changes of Ge due to illumination by beams of unequal frequency (E), AO 18: 1921
- Refractive index changes in germanium due to intense radiation (E), AO 17: 526
- Refractive index changes in germanium due to intense radiation (errata), AO 17: 3706
- Refractive indexes and temperature coefficients of germanium and silicon (E), AO 15: 2348
- Refractive index measurements of a germanium sample (E), AO 17: 1066
- Role of carrier diffusion in the ultrafast transient response of the solid state germanium plasma (A), JOSA 66: 1083
- Role of direct free-hole transitions in the reflectivity and transient optical properties of Ge (A), JOSA 68: 681
- Saturation behavior of  $p$ -type germanium at CO<sub>2</sub> laser wavelengths (E), OL 1: 93
- Temperature-dependent Sellmeier coefficients and nonlinear optics average power limit for germanium (T), JOSA 69: 178
- Testing germanium for heating absorbing inclusions (N), AO 16: 1768
- Thickness, uniformity, and preparation of stress-free floating amorphous germanium thin-films (E) (L), AO 14: 2057
- Transitions of ZnXXII, ZnXXIII, ZnXXIV, GeXXIV, and GeXXV observed in laser-produced plasmas (ET) (L), JOSA 66: 376
- Transitions of Zn XXII, Zn XXIII, Zn XXIV, Ge XXIV, and Ge XXV observed in laser-produced plasmas (errata), JOSA 66: 1141
- Ultrafast transient response of optically excited plasmas in germanium (A), JOSA 66: 1082
- Uniformity, thickness, and preparation of stress-free, floating, amorphous germanium thin films (A), JOSA 65: 1194

## Germany

- A year in the old country (N), AO 15: A60

## Glass

- Alterable photodichroic treated glasses (A), JOSA 68: 1396
- Application of fracture-mechanics techniques to optical glass (A), JOSA 65: 1192
- Assessment of Ge-As-Se 8–12  $\mu\text{m}$  infrared optical glasses for applications in thermal imaging systems (A), JOSA 67: 255
- Attenuation measurement in low-loss optical glass by polarized radiation (A), JOSA 64: 1366
- Attenuation measurement in low-loss optical glass by polarized radiation (E), AO 14: 3047
- Automatic control in glass (N), AO 13: 3A14
- Binary silica optical fibers: refractive index and profile dispersion measurements (E), AO 15: 3029
- Binary silica optical fibers: refractive index and profile dispersion measurements (errata), AO 17: 3530
- Brillouin scattering in inorganic glasses (A), JOSA 67: 1410
- Colored filter glasses: an intercomparison of glasses made by different manufacturers (R), AO 16: 1491
- Colour Generation and Control in Glass. By C. R. Bamford (B), Reviewed by Sanders, David, AO 17: 500
- Colour Generation and Control in Glass, Glass Science and Technology, Volume 2. By C. Ray Bamford (B), Reviewed by Parker, Charles J., JOSA 68: 1154
- Core glass for fiber optics (P), AO 15: 1888
- Determining absolute thermal expansion of titania-silica glasses: a refined ultrasonic method (E), AO 14: 2099
- Edging a large oval piece of glass (N), AO 14: 11
- Effect of temperature gradients on the wave aberration in athermal optical glasses (ET), AO 14: 716
- Exotic glass disk 356 cm in diameter, of ULE titanium silicate, shipped to Italian National Observatory (N), AO 17: 2351
- Filter glasses for photometric application (ET), AO 14: 1017
- Glass compositions for thin-film waveguides (A), JOSA 66: 1118
- Glass, eleventh International Congress, Prague, 4–8 July 1977 (M), Reported by Vasko, A., AO 17: 675
- Glasses with a large laser effect: Nd-phosphate and Nd-fluorophosphate (E), AO 17: 2228
- Glass fibers, rods, and structures containing refractive index gradients (P), AO 14: 3110
- Glass inhomogeneity (E) (L), AO 14: 1761
- Glass lens having reduced chromatic aberration and refractive index gradient (P), AO 14: 1459
- Glass: Structure by Spectroscopy. By J. Wong and C. A. Angell (B), Reviewed by Green, J. H. S., AO 16: 1454
- Glass: Structure by Spectroscopy. By J. Wong and C. A. Angell (B), Reviewed by Schreurs, Jan W. H., JOSA 67: 1133
- Graded-index optical fiber waveguide (P), AO 15: 585
- Impasses in applied optics (R), JOSA 64: 123
- Infrared optical glasses for applications in 8–12- $\mu\text{m}$  thermal imaging systems (E), AO 16: 2938
- Infrared study of anomalous excitations in glasses (A), JOSA 67: 254
- Infrared transmitting glasses (P), AO 18: 3958
- Intercomparison of colored filter glasses made by different manufacturers (A), JOSA 64: 548
- Interpretation of induced color in polychromatic glasses, JOSA 69: 1514
- Interpretation of induced colors in polychromatic glasses (A), JOSA 68: 1395
- Introduction to the Physical Chemistry of the Vitreous State. Edited by P. Balta and E. Balta (B), Reviewed by Fantone, Stephen D., JOSA 67: 984
- Laser induced damage in optical materials: ninth ASTM symposium (R), AO 17: 2386
- Low loss fused silica made by the plasma torch (E) (L), AO 13: 744
- Luminescence of powdered uranium glasses (E), JOSA 64: 1194
- Measurement of spectral total and scattering losses in unclad optical fibers (ET), JOSA 64: 469
- Metallized use in buildings (L), AO 13: 5A16
- Modeling and fabrication of gradient index glass (A), JOSA 66: 1119
- Multiphonon absorption in mixed As<sub>2</sub>S<sub>3</sub>-GeS<sub>4</sub> glasses (A), JOSA 67: 254
- Optical absorption by polychromatic glasses (A), JOSA 68: 1395
- Optical and acoustic properties of arsenic pentasulfide glass (L), AO 17: 2482
- Optical fiber transmission line (P), AO 15: 583
- Optical properties of gradient index materials (A), JOSA 66: 1119
- Optical properties of highly transparent solids, an international conference, Waterville Valley, New Hampshire, 3–5 Feb 1975 (M), Reported by Mitra, S. S.; Bendow, Bernard, AO 14: 1473
- Optical properties of Ti<sub>2</sub>SeAs<sub>2</sub>Te<sub>3</sub> amorphous chalcogenide glass in the range 2 to 10.6  $\mu\text{m}$  (A), JOSA 68: 1396
- Optical waveguide development (N), AO 13: 3A14
- Phase separated glass made into pseudo-fiber optics (P), AO 14: 2038
- Photon-induced coloring of multicomponent glasses (E), AO 18: 3342
- Preparation of silica glass using a CO<sub>2</sub> laser (E) (L), AO 14: 2817
- Profile synthesis in multicomponent glass optical fibers (A), JOSA 66: 1101
- Profile synthesis in multicomponent glass optical fibers (T), AO 16: 108
- Radiation effects on the transmission of various optical glasses and epoxies (E) (L), AO 18: 1132
- Reflectance and optical constants for Cer-Vit from 250 to 1050 Å (E), JOSA 64: 834
- Reflection measurements at the interface between disk laser glass and edge cladding glass (E), AO 18: 97
- Refractive index and energy-gap behavior of the borosilicate-glass system (A), JOSA 64: 525
- Refractive index measurement of high refractive index glass beads (E), AO 14: 1111
- Refractive index of Nd:CaF<sub>2</sub> and some Nd doped glasses as a function of wavelength, % neodymium, and temperature (E), AO 14: 174
- Self-phase modulation in silica optical fibers (A), JOSA 66: 1101
- Silicate Glass Technology Methods. By Clarence L. Babcock (B), Reviewed by Parker, Charles J., JOSA 68: 1288
- Simultaneous measurement of absorption and scattering losses in bulk glass and optical fibers using a new microcalorimetric method (A), JOSA 64: 1366
- Spatial-diffusion measurements in impurity-doped solids by degenerate four-wave mixing (E), OL 4: 124
- Standard Reference Materials: more than 50 are available from the National Bureau of Standards (NBS) (N), AO 14: 1666
- Strength and failure prediction for silicate glasses (A), JOSA 65: 1193
- Structure and fracture mechanics of glass (A), JOSA 65: 1192
- What is Vycor glass? (N), AO 18: 3208

## Gloss

- See also Reflection
- Measurement of Appearance. By Richard S. Hunter (B), Reviewed by Marcus, Robert T., JOSA 66: 1441

## Gold

- Absorption spectrum of Au I between 1300 and 1900 Å (E), JOSA 68: 243
- Dielectric function measurements on ion-implanted metallic systems (E), JOSA 67: 1099
- Extreme ultraviolet reflection efficiencies of diamond-turned aluminum, polished nickel, and evaporated gold surfaces, AO 17: 3309
- Light scattering from aggregated silver and gold films (E), JOSA 64: 1190
- Metal-clad planar dielectric waveguide for integrated optics (T), JOSA 64: 274
- Optical constants from the far infrared to the x-ray region: Mg, Al, Cu, Ag, Au, Bi, C, and Al<sub>2</sub>O<sub>3</sub> (E) (L), JOSA 65: 742



- Optical constants of absorbing materials by transmission interferometry on medium-thickness films (TE), JOSA 69: 725
- Optical constants of aggregated gold films (ET), JOSA 66: 124
- Optical constants of gold by transmission interferometry (E), JOSA 67: 630
- Optical properties of aggregated gold on aluminum, AO 18: 3119
- Optical properties of aggregated noble metal films (ET), JOSA 67: 502
- Optimizing precision of rotating-analyzer ellipsometers (T), JOSA 64: 639
- Reflectivity of gold coated surfaces in the soft x-ray range (ET), AO 17: 621
- Selective nature of gold-black deposits (E), JOSA 66: 249
- Transition probabilities for the resonance transitions of Na-like ions (T), JOSA 68: 836
- Transmittance of aggregated silver films with an opaque overcoating (E) (L), JOSA 64: 100
- ### Graded index (GRIN)
- Aberrations in curved graded-index fibers (T), JOSA 69: 300
- Acceptance angle of axially graded-index tapers (A), JOSA 64: 526
- Accommodative optical model of the human eye with gradient index lens (A), JOSA 69: 1441
- Analysis of non-matched beam propagation in gradient-index optical guides (T), JOSA 65: 1483
- Analysis of optical channel waveguides and directional couplers with graded-index profile (T), JOSA 69: 807
- Angular reflectance of single-layer gradient refractive-index films (E), JOSA 67: 1046
- Astigmatic Gaussian beams in an elliptical square-law medium (T) (L), AO 17: 2869
- Asymptotic theory of propagation in graded index fibers (A), JOSA 68: 1408
- Automatic refractive-index profiling of optical fibers (E), AO 17: 2209
- Backscattering of light from optical fibers with arbitrary refractive-index distributions: uniform approximation approach (T), JOSA 68: 1298
- Calculation of bandwidth from index profiles of optical fibers. 1: Theory (T), AO 18: 2073
- Calculation of dispersion in graded-index multimode fibers by a propagating-beam method (T), AO 18: 2843
- Calculation of fiber bandwidth from index-profile measurements (A), JOSA 69: 1457
- Catadioptric system with a gradient-index corrector plate (T), JOSA 67: 1143
- Caustic analysis for a gradient index lens (A), JOSA 69: 1429
- Computing the propagation characteristics of radially stratified fibers: an efficient method (T), AO 16: 483
- Coupler for semiconductor lasers (P), AO 17: 1468
- Coupling to graded index waveguide (P), AO 15: 1888
- Design of single element gradient-index collimator (T), JOSA 67: 1137
- Determination of axially symmetrical refractive index distribution from directions of emerging rays (E), AO 16: 2500
- Determination of modal power distribution in graded-index optical waveguides from near-field patterns and its application to differential mode attenuation measurement (TE), AO 18: 2207
- Diameter determination of graded-index optical fibers from backward-scattered pattern (ET), AO 18: 3276
- Differential mode attenuation measurements in graded-index fibers (E), AO 17: 1830
- Dispersion characteristics in quasi-step and graded-index slab waveguides by ray-tracing technique (T), JOSA 65: 1022
- Dispersion in optical fibers: new aspects (T), AO 17: 1023
- Dispersion measurements in gradient index glass using a schlieren method (A), JOSA 67: 1442
- Effect of cladding modes on the far-field radiation pattern for a multimode step-index optical fiber (E) (L), AO 17: 2132
- Effect of the cladding on pulse broadening in graded-index optical waveguides (T), AO 16: 2171
- Effects of profile deformations of fiber bandwidth (T), AO 18: 3758
- Electromagnetic waves in two-dimensionally inhomogeneous media (T), JOSA 68: 1748
- Evaluating gradient index fibers using transverse illumination (A), JOSA 67: 1373
- Evaluation of material dispersion using a nanosecond optical pulse radiator (E), AO 18: 2223
- Excess loss caused by the outer layer in a multimode step-index optical fiber (T), AO 16: 2732
- Focusing effects in interferometric analysis of graded-index optical fibers (TE), AO 14: 151
- Focusing of light by a vertical temperature gradient in aerated water (ET), AO 17: 151
- Formulas for calculating the refractive index profile of optical fibers from their transverse interference patterns (TE), AO 17: 1972
- Fundamental (HE<sub>11</sub>) modes of graded optical fibers (T), JOSA 69: 1663
- Gaussian approximation of the fundamental modes of graded-index fibers (T), JOSA 68: 103
- Gaussian beams in gradient index fibers viewed as coherent states (A), JOSA 69: 1473
- Generalized Gaussian beams in free space (T), JOSA 67: 1274
- Glass for ophthalmic lenses (P), AO 18: 260
- Graded index, fiber core with pure silica cladding (P), AO 18: 2542
- Graded index fiber of intertwined helical ribbons (P), AO 18: A170
- Graded index fiber waveguides with borosilicate composition: fabrication techniques (E), AO 15: 1803
- Gradient index miniature coupling lens (P), AO 17: 1473
- Gradient index optical fiber (P), AO 18: 3714
- Gradient Index Optics. By Erich W. Marchand (B), Reviewed by Marcuse, Dietrich, JOSA 69: 1624
- Guided modes in graded index optical fibers (T), JOSA 67: 1192
- Guided waves along an optical fiber with parabolic index profile (E), JOSA 67: 96
- Guided waves in an optical square-law medium (T), JOSA 64: 964
- Integrally formed optical circuit with gradient refractive index (P), AO 15: 1888
- Laser beam refraction traversely through a graded-index preform to determine refractive index ratio and gradient profile (E), AO 18: 2214
- Launch dependent loss in short lengths of graded-index multimode fibers (E), AO 17: 2825
- Leaky modes in graded index optical fibers (T), AO 15: 2773
- Light beam propagation along helical bands of parabolic index optical fibers (T), AO 15: 2792
- Light propagation in graded-index optical fibers (T), AO 17: 3990
- Magneto-optical properties of gradient-index optical fibers (ET), AO 15: 799
- Measurement of differential mode attenuation in graded-index fiber optical waveguides (A), JOSA 67: 707
- Measurement of the optical properties of gradient index materials (E), JOSA 68: 1157
- Minimum dispersion in a single-mode step-index optical fiber (T), AO 18: 2516
- Modal dispersion in multimode graded-index fibers (T), AO 14: 2578
- Modal fields in graded-index fibers: comparison between perturbation theory and evanescent field theory (T) (L), AO 18: 3
- Modal treatment of an optical fiber with a modified hyperbolic secant index distribution (T), JOSA 69: 960
- Mode coupling effects in graded-index optical fibers (T), AO 14: 935
- Mode dependent attenuation in parabolic optical fibers (T), AO 16: 1639
- Modeling and fabrication of gradient index glass (A), JOSA 66: 1119
- Modified evanescent wave theory for evaluation of propagation constants and group delays of graded-index fibers (T) (L), AO 18: 3719
- Monomode dispersion for fibers with parabolic step- and index profiles (A), JOSA 67: 1373
- Multimode optical waveguides with graded refractive index: theory of power launching (T), AO 15: 2765
- Multiple- $\alpha$  index profiles (T), AO 18: 683
- Nondestructive determination of refractive index profile of an optical fiber: backward light scattering method (TE), AO 18: 1110
- Nondestructive determination of refractive index profile of an optical fiber: fast Fourier transform method (TE), AO 18: 1117
- Optical fiber (P), AO 14: 3
- Optical fiber preform diagnostics (E), AO 18: 23
- Optical fiber transmission compensator (P), AO 17: 1985
- Optical loss measurement in graded-index fiber using a dummy fiber (E), AO 18: 3272
- Optical properties of gradient index materials (A), JOSA 66: 1119
- Optical properties of waveguides made by a porous glass process (E) (L), AO 18: 2732
- Optimum refractive-index difference for graded-index fibers, due to concentration-fluctuation scattering (A), JOSA 64: 527
- Parabolic fiber cutoffs: a comparison of theories (T), JOSA 67: 1185
- Plastic focusing fiber for imaging application (A), JOSA 66: 385
- Polarization optics of index-gradient optical waveguide fibers (TE), AO 14: 2406
- Power attenuation in bent graded-index optical waveguides (A), JOSA 68: 1408
- Prediction of fiber transmission characteristics from arbitrary refractive-index profiles (A), JOSA 69: 1462
- Profile synthesis in multicomponent glass optical fibers (T), AO 16: 108
- Progress in graded-index optical waveguides (A), JOSA 67: 706
- Propagation characteristics of graded-index optical waveguides fabricated by ion implantation (A), JOSA 66: 289
- Propagation constants and group delays of guided modes in graded-index fibers: a comparison of three theories (T), AO 18: 2837
- Propagation in graded-index fibers: comparison between experiment and three theories (TE), AO 17: 2831
- Pulse broadening in graded-index optical fibers (TE), AO 15: 483
- Pulse separating in transmission characteristics of multimode graded-index optical fibers (E), AO 15: 1307
- Radial distribution of the refractive index in light-focusing rods: determination using Interphako interference microscopy (ET), AO 16: 1050
- Ray and energy propagation in graded-index media (T), JOSA 65: 169
- Ray delay in gradient waveguides with arbitrary symmetric refractive profile (T), AO 13: 1045
- Ray launching and observation in graded-index optical fibers (T), JOSA 69: 294
- Ray tracing in gradient-index media, JOSA 65: 451
- Ray tracing in tilted, decentered, displaced gradient-index optical systems (T), JOSA 66: 789
- Refracting leaky rays in graded-index fibers (T), AO 17: 2205
- Refractive index and spectral modeling of gradient index materials (A), JOSA 68: 1396
- Refractive index profile of a graded-index fiber: measurement by a reflection method (E) (L), AO 14: 814
- Refractive index profile optimization in diffused graded index lenses, AO 14: 2427
- Scalar and vector mode relations in gradient-index light guides (T), JOSA 65: 1235
- Selective mode excitation of graded index optical fibers (E), AO 17: 463
- Shuttle pulse measurements of pulse spreading in a low loss graded-index fiber (E), AO 14: 1361
- Side launch excitation of selected modes in graded-index optical fibers (ET), AO 17: 3245
- Splice losses in step-index fibers: dependency on fiber-break angle (E), AO 16: 2372
- Splice loss evaluation for optical fibers with arbitrary-index profile (T), AO 17: 2848
- Spot size of graded-index single-mode fibers: profile-independent representation and new determination method (TE), AO 18: 932
- Step index limit of power law refractive index profiles for optical waveguides (T), JOSA 68: 1188
- Strip-loaded waveguide formed in a graded-index LiNbO<sub>3</sub> planar waveguide (TE), AO 17: 1953
- Tapered parabolic-index fiber waveguide (T) (L), AO 18: 1482
- Theory of fifth-order aberration of graded-index media (T), JOSA 66: 1320
- Third-order aberrations of the photographic Wood lens (T), JOSA 66: 1326



Tolerance of the refractive index gradient in optical elements (T), AO 17: 1697

Transfer function of long spliced graded-index fibers with mode scramblers (E), AO 17: 63

Transmission characteristics of step-index fibers and optical fiber cables (A), JOSA 67: 707

Transmission characteristics of graded-index optical fibers with a lossy outer layer (TE), AO 17: 1199

Tunneling leaky modes in a parabolic index fiber (ET), AO 15: 1936

Vector wave analysis of broadband multimode optical fibers with optimum refractive index distribution (T), JOSA 68: 577

Wavelength dependence of pulse dispersion in graded-index fibers (A), JOSA 69: 1457

Wavelength dependence of spliced graded-index multimode fibers (ET), AO 18: 1449

## Gradient index

See Graded index

## Gratings

See also Diffraction

Aberration balancing for grating mountings with large aberrations (T), JOSA 68: 38

Aberration-corrected gratings formed with optical guided modes and surface waves (A), JOSA 68: 1405

Aberration reduced mechanically ruled grating for simple rotational mounting (T), JOSA 69: 1538

Aberrations of a facet-type transmission grating for cosmic x-ray and XUV spectroscopy (T), AO 17: 2304

Achromatic imaging of distant objects in selected wavelength bands with plane and concave holographic gratings (TE), AO 17: 2934

Ambipolar diffusion measurements in semiconductors using transient gratings (A), JOSA 68: 679

Amplitude grating effects induced by picosecond laser-produced acoustical waves (A), JOSA 68: 1412

Analysis and experimental study of ruled half-tone screens (TE), AO 13: 1299

Analysis and experimental study of ruled half-tone screens: addendum (TE) (L), AO 13: 2189

Analysis of multiwave diffraction of thick gratings, JOSA 67: 1165

Analysis of propagation at the second-order Bragg angle of a thick holographic grating (T), JOSA 66: 353

Analysis of waveguided Gaussian beams coupled by misaligned or curved gratings (T), JOSA 69: 1235

Application of the unimoment method to scattering from periodic dielectric structures (T), JOSA 68: 775

Aspheric grating for extreme ultraviolet astronomy (T), AO 17: 1252

Asymmetric concave gratings: theory and applications (T), JOSA 64: 319

Asymptotic theory of diffraction gratings used in the scalar domain (T), JOSA 68: 496

Automatic design of holographic gratings for Seya-Namioka monochromators (T), JOSA 68: 1254

Balanced interferometers with simply adjustable interference angle (T) (L), AO 16: 1806

Balloon-borne ultraviolet stellar echelle spectrograph (E), AO 17: 604

Blazed and high line density holographic gratings produced by use of optical guided waves (A), JOSA 66: 1114

Blazing effects in dielectric gratings (A), JOSA 64: 1365

Bragg-angle blazing of diffraction gratings (T), JOSA 65: 380

Bragg diffraction of a Gaussian beam by a crossed-Gaussian volume grating (T), JOSA 67: 545

Buried diffraction gratings: a phenomenological theory (T), AO 18: 742

Calculation of arbitrary-order diffraction efficiencies of thick gratings with arbitrary grating shape (T), JOSA 65: 59

Change of blaze wavelength as a function of position on the surface of a concave grating (TE), JOSA 64: 662

Chirped gratings and their applications in integrated optics (A), JOSA 68: 1364

Chirped reflection gratings for wideband optical waveguide filters (A), JOSA 67: 1392

Chromaticity and luminous efficiency of phase imaging systems (TE), AO 16: 3154

Circular-carrier holograms (TE), JOSA 65: 518

Color diffractive subtractive filter master recording plurality of superposed two-level substrate (P), AO 18: 3958

Color encoding with volume phase gratings (A), JOSA 64: 1394

Color separation gratings (TE), AO 17: 2273

Comparison of efficiencies of a holographic and a conventional diffraction grating from 1200 to 2000 Å (A), JOSA 64: 1371

Comparison of the efficiency of a conventional diffraction grating with the efficiencies of blazed laminar holographic gratings in the vacuum ultraviolet spectral region (A), JOSA 66: 1136

Compound interlaced grating development (A), JOSA 68: 1404

Compound interlaced grating in high-energy laser systems (A), JOSA 67: 1420

Comprehensive analysis of gratings for ultraviolet space instrumentation (E), AO 17: 3108

Compression of frequency chirped optical pulses by a strongly dispersive grating pair (T), AO 18: 737

Computation of light transmitted by a thick grating, for application to contact printing (T), JOSA 64: 1623

Concave-grating interferometer (A), JOSA 66: 1090

Concave-grating interferometers (A), JOSA 68: 1390

Construction of photolithographic phase gratings using the Fourier image effect (E), AO 14: 522

Control of pit geometry on video disks (ET), AO 18: 3198

Coupled-wave analysis of light diffraction by a multi-element acoustic transducer array (T), JOSA 64: 1049

Coupled-wave theory for multiply exposed thick holographic gratings (TE), JOSA 65: 724

Coupling in doubly exposed, thick holographic gratings (ET), JOSA 65: 730

Coupling in doubly exposed, thick holographic gratings (ET) (errata), JOSA 66: 79

Curved-line gratings and their applications in integrated optics (A), JOSA 68: 1364

Cylindrical and spherical gratings (T), JOSA 64: 654

Damage resistance of holographic and ruled gratings used as laser wavelength-tuning elements (A), JOSA 66: 383

Design and fabrication of a blazed replica grating coupler for optical waveguides (E), OL 1: 67

Design of simple rotating stigmatic concave grating monochromators (T) (L), AO 13: 2739

Dielectric coated gratings: a curious property (TE), AO 16: 3009

Diffraction characteristics of crossed-beam gratings (A), JOSA 69: 1483

Diffraction efficiencies of thin phase, amplitude, and mixed transmission gratings (A), JOSA 68: 1371

Diffraction efficiency for crossed-beam gratings away from Bragg incidence (A), JOSA 68: 1440

Diffraction efficiency of evanescent-wave holograms. I. TE polarization (T), JOSA 68: 795

Diffraction efficiency of evanescent-wave holograms. II. TM polarization (T), JOSA 68: 802

Diffraction efficiency of nonsinusoidal Bragg reflection gratings (T) (L), JOSA 64: 97

Diffraction efficiency of nonsinusoidal Bragg reflection gratings (errata), JOSA 64: 895

Diffraction efficiency of the first and second orders of a thick holographic grating at the second-order Bragg angle (A), JOSA 65: 1219

Diffraction from photolysis-induced dielectric gratings in thin PbI<sub>2</sub> films (A), JOSA 68: 1423

Diffraction grating information and catalog (N), AO 18: 2524

Diffraction grating ruling engine with piezoelectric drive (E) (L), AO 14: 1

Diffraction gratings for color filtering in the zero diffraction order (ET), AO 17: 3598

Diffraction gratings photo-resist, interference (P), AO 18: 3346

Diffraction gratings. U.S.-Japan seminar, Washington, D.C., 14-17 Oct 1975 (M), Reported by Hunter, W. R., AO 15: 1365

Diffraction grating transmission efficiencies for XUV and soft x rays (E), AO 16: 1088

Diffraction grating tuners for cw lasers (TE) (L), AO 18: 2348

Diffraction grating use to reject fluorescence from a tunable dye laser (E) (L), AO 14: 811

Diffraction of electromagnetic waves by plane metallic gratings (T), JOSA 68: 1202

Diffraction regimes of transmission gratings (T), JOSA 68: 809

Direct writing of optical gratings using a scanning electron microscope (E), AO 17: 2342

Dual beam interferometer with autoequalization of path length (ET) (L), AO 15: 2302

Dynamically induced refractive-index nonuniformities in electro-optical holographic gratings (A), JOSA 66: 1084

Echelle gratings: their testing and improvement (E), AO 15: 971

Effect of diffusion-pump oil contamination on diffraction grating efficiency in the vacuum ultraviolet spectral region (A), JOSA 69: 1438

Effect of diffusion pump oil contamination on diffraction grating efficiency in the VUV spectral region (E), AO 18: 3506

Effects of the relative phase relationships of gratings on diffraction from thick holograms (T), JOSA 69: 705

Efficiencies of plane diffraction gratings measured in the conical and classical mountings (A), JOSA 67: 1438

Efficiencies of rectangular-groove gratings (T), JOSA 66: 772

Efficiency optimization of rectangular groove gratings for use in the visible and IR regions (TE), AO 18: 2262

Electroretinogram and visually evoked potential associated with paced saccadic displacement of the stimulus (E), JOSA 64: 1256

Equivalence of multiwave coupled-wave theory and modal theory for periodic-media diffraction (T), JOSA 68: 1777

Evaluation of coupled-wave diffraction theory via exact modal theory (A), JOSA 69: 1416

Evolution of grating profiles under ion-beam erosion (TE), AO 18: 2559

Excitation of electromagnetic surface waves by a Gaussian beam striking a shallow grating (A), JOSA 66: 1116

Fabrication of a shallow, reflective infrared (10.6  $\mu$ m) diffraction grating by ionic polishing and ruling (A), JOSA 64: 538

Fabrication of thin periodic structures in photoresist: a model (E), AO 15: 1071

Fabrication of transmission gratings for use in cosmic x-ray and XUV astronomy (E), AO 18: 3502

Far field diffraction patterns of circular gratings (T), AO 13: 2638

Flexure hinge grating suspension (E) (L), AO 13: 734

Foci of tandem Wadsworth spectrographs (T), JOSA 69: 165

Focused-image hologram system with increased optical readout efficiency (P), AO 18: 3804

Focusing property of holographic gratings (A), JOSA 64: 538

Forming focusing diffraction gratings for integrated optics (P), AO 18: 3341

Free-standing fine-wire grids: their manufacture, performance, and use at millimeter and submillimeter wavelengths (E) (L), JOSA 67: 979

General integral theory for dielectric coated gratings (T), JOSA 68: 490

General theory of the aberrations of diffraction gratings and gratinglike optical instruments (T), JOSA 66: 346

General theory of the aberrations of diffraction gratings and gratinglike optical instruments (T) (errata), JOSA 67: 1695

Generation of periodic surface corrugations (TE), AO 17: 1165

Geometric optical theory of diffraction gratings (T), JOSA 69: 1530

Geometric theory of the grating (T), JOSA 64: 1031

Grating efficiency theory as it applies to blazed and holographic gratings (TE), AO 16: 2711

Grating lenses for integrated optics (ET), OL 2: 142

Gratings as distributed reflectors and couplers (A), JOSA 68: 1364

Gratings for integrated optics by electron lithography (E), AO 13: 1695

Gratings that diffract all incident energy (T), JOSA 67: 557



- Grazing incidence grating efficiencies (TE) (L), AO 18: 426
- Groove depth determination using a laser for sinusoidal groove gratings (TE), AO 16: 2086
- High-dispersion astronomical spectroscopy with holographic and ruled diffraction gratings (E), AO 17: 404
- High efficiency multiple beam gratings (TE), AO 18: 2152
- High-resolution lamellar-grating Fourier-transform spectrometer for the submillimeter region (E), AO 17: 1709
- Hologram gratings: amplitude and phase components (T) (L), AO 14: 2818
- Holographically formed gratings for x-ray spectroscopy (A), JOSA 65: 1214
- Holographically formed grazing-incidence reflection grating with stigmatic soft x-ray focal isolation (E) (L), AO 13: 1258
- Holographic article and process for making same (P), AO 18: 3804
- Holographic concave grating monochromator (P), AO 15: 585
- Holographic concave gratings for Seya-Namioka monochromators (T), JOSA 64: 1043
- Holographic concave grating with stigmatic conditions (N), AO 13: 2736
- Holographic diffraction gratings (P), AO 13: 10A26
- Holographic diffraction gratings used in normal incidence monochromators for synchrotron radiation (E) (L), AO 14: 2317
- Holographic evaluation of resolution in amorphous chalcogenide inorganic photoresists (ET), AO 18: 1753
- Holographic gratings, designing a new generation of instruments (A), JOSA 64: 1376
- Image recording and zero-order read-out using surface-relief gratings (A), JOSA 67: 1374
- Image restoration using volume diffraction gratings (ET), OL 3: 124
- Image sampling using phase gratings (T) (L), JOSA 66: 861
- Imaging properties of holographic gratings (T), JOSA 67: 1021
- Imaging properties of optical arrays with random perturbations (A), JOSA 68: 1406
- Influence of higher harmonics of a grating on the intensity profile of the diffraction orders via surface plasmons (ET), OL 1: 194
- Influence of luminance contrast on hue discrimination (E), JOSA 64: 763
- Interference and diffraction in globular metal films (ET), JOSA 68: 1023
- Interferometrically produced gratings for interferometers (A), JOSA 64: 558
- Laser beam sampling with grating rhombs (A), JOSA 68: 1405
- Laser beam scanning using computer-generated holograms (TE), AO 15: 183
- Laser resonators folded by diffraction gratings (T), AO 17: 87
- Latent-imaging photopolymer systems (E), AO 17: 566
- Lau effect interpreted in the context of the theory of partial coherence (A), JOSA 69: 1455
- Light-induced refractive index changes in Ge-doped silica fiber (A), JOSA 68: 1627
- Liquid crystal diffraction grating (P), AO 14: 1757
- Maximum efficiency of ruled concave diffraction gratings in the ultraviolet (A), JOSA 64: 1371
- Measuring concave diffraction grating efficiencies at grazing incidence (A), JOSA 67: 1439
- Measuring concave diffraction grating efficiencies at grazing incidence (T), AO 16: 1051
- Measuring the wavelength of light with a self-calibrating grating (ET), OL 1: 191
- Metallized photoresist surface gratings for integrated optics (A), JOSA 67: 1393
- Method of forming novel curved-line gratings and their use as reflectors and resonators in integrated optics (TE), OL 1: 64
- Mode coupling in thin-film chirped gratings (E), OL 4: 343
- Modes of a diffraction grating optical resonator (T), AO 14: 589
- Modulated-grating hologram (E), AO 16: 1380
- Modulated holographic grating (E) (L), AO 13: 2767
- Modulation characteristics of total internal reflection electro-optical gratings (A), JOSA 66: 1101
- Modulation transfer function measurement via diffraction shearing with optically superimposed gratings (E), AO 18: 1247
- Moire and higher grating harmonics (ET), JOSA 65: 685
- Moire: formation and interpretation (ET), JOSA 64: 1287
- Moire interferometry with white light (E), AO 18: 4163
- Moire strain analysis in cryogenic environments (E) (L), AO 18: 1886
- Monochromator with concave grating (P), AO 15: 1889
- Multicomponent photopolymer systems for volume phase holograms and grating devices (E), AO 15: 534
- Multimode optic device (P), AO 18: 3347
- Multimode coupled-wave theory: modal theory equivalence and analysis of general gratings (A), JOSA 68: 1371
- Nature of transient light signal diffracted from optically etched gratings (E) (L), AO 15: 2954
- New analysis of the theory of Rowland ghosts (T) (errata), AO 13: 1009
- New stigmatic, coma-free, concave-grating spectrograph (T), JOSA 65: 13
- New stigmatic concave diffraction grating (N), AO 13: 2736
- Nonlinear refractive-index measurement using temporary gratings (A), JOSA 65: 1181
- Null Ronchi gratings from spot diagrams (ET) (L), AO 16: 2602
- Off-plane stigmatic imaging with spherical concave gratings: experimental verification (E) (L), AO 16: 288
- Optical grating evaluator: a device for detailed measurement of diffraction grating efficiencies in the vacuum ultraviolet (E), AO 13: 1223
- Optimal design for beam sampling mirror gratings (T) (L), AO 15: 2937
- Perceived spatial frequency varies with stimulus duration (E), JOSA 64: 1251
- Perfectly blazed reflection gratings with rectangular grooves (TE), JOSA 68: 1211
- Periodic phase structures for focusing light in the near field (A), JOSA 68: 1405
- Perry, W. H., honored by resolution of board of directors, OSA (N), AO 13: 3A15
- Photofabricated blazed x-ray diffraction gratings (E) (L), AO 15: 2618
- Piecewise interferometric generation of precision gratings (A), JOSA 66: 1115
- Piecewise interferometric generation of precision gratings (TE), AO 16: 555
- Polarization by gratings used at grazing incidence (E), AO 17: 2502
- Polarization dependence of diffraction efficiency for shallow reflective diffraction gratings at 10.6  $\mu\text{m}$  (A), JOSA 64: 538
- Polarization properties of diffraction gratings (E) (L), JOSA 66: 1055
- Power losses in lamellar gratings (T), AO 18: 4168
- Preferential chemical etching of blazed gratings in (110)-oriented GaAs (E), OL 4: 96
- Preparation of high-aspect ratio periodic corrugations by plasma and ion etching (E) (L), AO 15: 1905
- Programmable diffraction grating (P), AO 14: 2038
- Properties and manufacture of blazed holographic gratings (A), JOSA 69: 1427
- Properties of a transmission grating behind a grazing incidence telescope for cosmic x-ray spectroscopy (T), AO 16: 1425
- Radiation loss calculations for corrugated dielectric waveguides (T), JOSA 68: 1701
- Radiation loss calculations for corrugated dielectric waveguides. II: TM polarization (T), JOSA 69: 1671
- Random fluctuations in first-order waveguide grating filters (T), AO 18: 2575
- Rayleigh hypothesis in the theory of reflection by a grating (T), JOSA 69: 27
- Ray tracing through holographic gratings (T), JOSA 64: 1037
- Reconstruction fidelity from volume holograms of finite width and variable index modulation (T), JOSA 69: 496
- Reflection-type electrically controllable diffraction grating and its application to intracavity laser modulation (ET), AO 16: 1280
- Reflectivity changes of Ge due to illumination by beams of unequal frequency (E), AO 18: 1921
- Refractive-index profile and physical process determination in thick gratings in electrooptic crystals (TE), AO 15: 1947
- Refractive-index profiles and arbitrary-order diffraction efficiencies of lithium niobate hologram gratings (A), JOSA 65: 1220
- Rigorous diffraction theory for transmission phase gratings with deep rectangular grooves, JOSA 68: 1206
- Ronchi gratings for small linear measurements (E) (L), AO 13: 740
- Rotating diffraction grating laser beam scanner (T) (L), AO 14: 1057
- Ruled gratings and wavelength tables (R), AO 15: 1744
- Scanning-electron-microscope-written gratings in chalcogenide films for optical integrated circuits (ET), AO 18: 248
- Scattering of optical surface waves by a covered groove (T), AO 16: 1543
- Scattering phenomena in volume holograms with strong coupling (ET), AO 17: 116
- Second-order focusing conditions for ruled concave gratings (T), JOSA 64: 1616
- Sectioned thin-film grating (TE), JOSA 64: 1631
- Selective material x-ray imaging using spatial frequency multiplexing (TE), AO 13: 2202
- Sensitivity of human color mechanisms to gratings and flicker (E) (L), JOSA 65: 966
- Silicon-carbide diffraction grating for the vacuum ultraviolet: feasibility (E) (L), AO 16: 2013
- Simple interferometer for monitoring Rayleigh waves (E), AO 17: 2064
- Simple selection rules for VUV and XUV diffraction gratings (TE), AO 17: 1087
- Simplified grating model for the study of absorption anomalies (A), JOSA 69: 1473
- Simultaneous blazing of triangular groove diffraction gratings (T) (L), JOSA 67: 1686
- Smith-Purcell radiation from a line charge moving parallel to a reflection grating with rectangular profile (T), JOSA 64: 325
- Soft x-ray performance of shallow blazed diffraction gratings (A), JOSA 67: 1439
- Source noise in Fourier-transform spectroscopy (TE) (L), JOSA 64: 1019
- Spectral discrimination for image encoding (A), JOSA 65: 1183
- Spectra of high-resolution holograms in the extreme-ultraviolet by use of toroidal gratings (A), JOSA 68: 1431
- Statistics of random grating diffraction patterns (A), JOSA 67: 1368
- Stigmatic imaging with a pair of concave gratings (E) (L), AO 18: 1298
- Surface electromagnetic wave coupling efficiencies for several excitation techniques (E), AO 15: 3066
- Temperature and pressure effects on pressure-scanned etalons and gratings (T), AO 14: 1585
- Temporal development of optically etched gratings: a new method of investigating laser-induced damage (E), AO 13: 1399
- Temporal shaping of picosecond optical pulses using a diffraction grating pair (A), JOSA 68: 1435
- Temporary diffraction gratings on the surface of indium arsenide (E) (L), AO 18: 960
- Theory of alignment monitoring by diffraction from superimposed dual gratings (T), JOSA 68: 1716
- Theory of diffraction efficiency and anomalies of shallow metal gratings of finite conductivity (T), JOSA 69: 333
- Transmission grating efficiencies for wavelengths between 5.4  $\text{\AA}$  and 44.8  $\text{\AA}$  (E), AO 18: 368
- Transmission grating efficiencies in the 50-250- $\text{\AA}$  range (E) (L), AO 18: 2906
- Triple grating polychromator for Thomson scattering (TE), AO 16: 587
- Tunable linearly polarized TEM<sub>00</sub> operation of CO<sub>2</sub> laser with a concave diffraction grating (E) (L), AO 15: 2956
- Two-dimensional optics with surface electromagnetic waves (E), AO 14: 1322
- Two-dimensional theory of volume holograms with electric polarization in the plane of the grating (T), JOSA 69: 491
- Unified description of holographic grating diffraction (A), JOSA 67: 1438
- Unspecified role of cones and rods in grating detection (T) (L), JOSA 68: 1009
- Use of classical and conical diffraction mountings for XUV gratings (TE), JOSA 68: 1106
- Use of curved-line gratings for diffraction of light in an optical waveguide (A), JOSA 67: 1392
- Wavelength dispersion in a composite volume grating (T) (L), AO 15: 1679



- X-ray efficiencies of blazed gratings in extreme off-plane mountings (E), AO 16: 2078  
 X-ray efficiencies of gratings (T) (L), AO 17: 843  
 X-ray gratings: the GMS mount (T), AO 18: 1780

## GRIN

See Graded-index (GRIN)

## Guided waves

- See also Waveguides  
 Aberrations in curved graded-index fibers (T), JOSA 69: 300  
 Acousto-optic Bragg diffraction using multiple-surface acoustic waves and electro-optic deflection/modulation using tilted electrodes (A), JOSA 66: 289  
 Acoustooptic interaction in a planar acoustic waveguide (T), AO 17: 3837  
 Anomalies of electromagnetic waves in multilayered structures containing anisotropy (T), JOSA 68: 1693  
 Astigmatic Gaussian beams in an elliptical square-law medium (T) (L), AO 17: 2869  
 Attenuation and tunneling coefficients for leaky rays in multilayered optical waveguides (T), JOSA 67: 1627  
 Bending losses of dielectric rectangular waveguides for integrated optics (T), JOSA 68: 316  
 Bragg coupling efficiency for guided acoustooptics interaction in GaAs (TE), AO 15: 156  
 Bragg electrostriction in optical waveguides (T), AO 16: 1960  
 Comparison of normal mode and total field analysis techniques in planar integrated optics (T), JOSA 69: 1676  
 Couplage encerclant (ET) (L), AO 18: 604  
 Coupled power equations for lossy fibers (T), AO 17: 3232  
 Coupled surface plasmons in structures with thin metallic layers (TE), JOSA 69: 343  
 Determination of coupling coefficients by means of a fiber resonator (T), JOSA 67: 997  
 Effective electro-optic coefficient of multilayer dielectric waveguides: modulation enhancement (T), JOSA 66: 30  
 Effects of metal overlays on 3-D optical waveguides (T) (L), AO 17: 2866  
 Electromagnetic waves in two-dimensionally inhomogeneous media (T), JOSA 68: 1748  
 Evanescent waves (R), JOSA 66: 751  
 Field analysis of harmonic generation in thin-film integrated optics (T), JOSA 69: 1166  
 Gaussian approximation of the fundamental modes of graded-index fibers (T), JOSA 68: 103  
 Gaussian beam propagation in thin film waveguides (T) (L), AO 17: 2134  
 General solution of the problem of perfect geodesic lenses for integrated optics (T), JOSA 69: 1248  
 Guided modes in graded index optical fibers (T), JOSA 67: 1192  
 Guided wave measurement of two-photon absorption coefficients (A), JOSA 66: 292  
 Guided-wave optical devices in Japan (A), JOSA 66: 292  
 Guided-wave optical SHG of GaAs laser wavelengths in four-layered nonlinear waveguide (A), JOSA 68: 688  
 Guided-wave optical thin-film Luneburg lenses: fabrication technique and properties (E), AO 18: 4067  
 Guided-wave optics in Japan (A), JOSA 68: 633  
 Guided waves along an optical fiber with parabolic index profile (E), JOSA 67: 96  
 High-performance guided-wave acousto-optic beam deflectors (A), JOSA 66: 385  
 Holography with optical guided waves (A), JOSA 66: 1062  
 Influence of surface roughness on the propagation of x rays through capillaries (T), AO 18: 897  
 Integration of deflection and detection of guided light on silicon substrates (A), JOSA 66: 289  
 Light waves guided by a single curved metallic surface (TE), AO 17: 316  
 Light waves guided by a single curved surface: comments (T) (L), AO 17: 1678  
 Log-amplitude and phase fluctuations of a guided beam mode in asymmetric slab waveguides (T), JOSA 66: 668  
 Modal dispersion in lightguides in the presence of strong coupling (T), JOSA 68: 1586  
 Mode conversion at a taper in guided-wave optics (A), JOSA 67: 1394  
 Mode conversion in a thin film waveguide by a two-stage coupling process (E) (L), AO 18: 145  
 Modes of dielectric waveguides of arbitrary cross sectional shape (T), JOSA 69: 1226  
 Modes of optical waveguides (T), JOSA 68: 297  
 Multimode inhomogeneous fiber couplers (T), AO 18: 489  
 Nonlinearity of effective index versus bulk index in multilayer dielectric waveguides: Large incremental effective index sensitivity (T), JOSA 67: 1187  
 Nonlinear pulse propagation in optical fibers (T), OL 3: 202  
 Ondes Electromagnetiques. 1: Propagation libre; 2: Propagation guidee. By M. Jouguet (B), Reviewed by Tobin, Marvin C., AO 18: 3197  
 Optical properties of thin films (A), JOSA 68: 1439  
 Photoreceptor diameter and spacing for highest resolving power (T) (L), JOSA 67: 696  
 Precise determination of refractive index and thickness in the Ti-diffused LiNbO<sub>3</sub> waveguide (TE), JOSA 68: 1690  
 Propagation characteristics of trapezoidal cross-section ridge optical waveguides: an experimental and theoretical investigation (ET), AO 17: 1187  
 Propagation of modes in curved hollow metallic waveguides for the infrared (T), AO 16: 2163  
 Propagation of spatial pulses in interferometrically produced guiding structures (TE), AO 14: 2614  
 Radiating normal modes of lossy planar waveguides (T), JOSA 69: 311  
 Ray trajectories in optical fiber tapered sections (T), AO 17: 3670  
 Resonant internal-reflection prism spectroscopy using surface, guided and Fabry-Perot EM waves (ET), AO 17: 430  
 Scanning-electron-microscope-written gratings in chalcogenide films for optical integrated circuits (ET), AO 18: 248  
 Scattering of guided optical beams by surface acoustic waves in thin films (T), JOSA 69: 1153  
 Scattering of optical surface waves by a covered groove (T), AO 16: 1543  
 Single-mode optical waveguides (T), AO 18: 1490  
 Surface electromagnetic wave coupling efficiency dependence on prism gap height (E) (L), AO 16: 3077  
 Surface, guided, and interference EM waves in attenuated internal reflection (AIR) prism spectroscopy (A), JOSA 67: 253  
 Tapered parabolic-index fiber waveguide (T) (L), AO 18: 1482  
 Theory of cw Raman oscillation in optical fibers (T), JOSA 69: 803  
 Whispering and bouncing modes in elliptical optical fibers (T), JOSA 69: 1255

## Hadamard transforms

- Analysis of images by Hadamard optical transform (TE), AO 14: 1829  
 Applications of Walsh Functions and Sequence Theory. Edited by H. Schriber and G. F. Sandy (B), Reviewed by Andrews, Harry C., AO 14: 1739  
 Conventions and values for the multiplex advantage in Fourier transform spectroscopy (TE) (L), AO 16: 3070  
 Errors in Hadamard spectroscopy or imaging caused by imperfect masks (T), AO 14: 2678  
 Fourier and Hadamard transform spectrometers: a limited comparison (T), AO 15: 2664  
 Fourier and Hadamard transform spectrometers: a limited comparison. Part 2 (T) (L), AO 16: 3071  
 Fourier transform vs Hadamard transform spectroscopy: comments on (R), AO 13: 1296  
 Fourier transform vs Hadamard transform spectroscopy: reply to comments (T) (L), AO 13: 1740  
 Hadamard and M-Sequence transforms are permutationally similar (T) (L), AO 18: 4064  
 Hadamard filter design (P), AO 17: 326  
 Hadamard transform imager and imaging spectrometer (E), AO 15: 1595  
 Masks for Hadamard transform optics, and weighing designs (T), AO 15: 107  
 Practical multi-spectrum Hadamard transform spectrometer (ET), AO 14: 2533  
 Real time Walsh-Hadamard transformation of two-dimensional discrete pictures (P), AO 15: 1887

- Spectrometric Techniques, Volume 1. Edited by George A. Vanasse (B), Reviewed by Leopold, Lutz, AO 17: 2473  
 Synthetic-aperture radar and multiplex spectroscopy (T) (L), JOSA 64: 402  
 Synthetic-aperture radar and multiplex spectroscopy (L), JOSA 64: 1343  
 Systematic errors in Hadamard transform optics (TE), AO 17: 2991  
 Theoretical comparison of singly multiplexed Hadamard transform spectrometers and scanning spectrometers (T), AO 13: 2662  
 Two asymmetric Hadamard transform spectrometers (ET), AO 13: 2669

## Hafnium

- Spectra and energy levels of three- and four-times ionized hafnium (Hf IV and Hf v) (ET), JOSA 64: 1656  
 Spectra of Hf v through Re VIII (A), JOSA 64: 1370

## Hazes

- See Aerosols, Atmospheric optics  
 Influence of clouds, haze, and smog on the middle ultraviolet reaching the ground (T), AO 13: 2405  
 Infrared radiation extinction sensitivity to the modified gamma distribution parameters for haze and fog droplet polydispersions (TE), AO 15: 2906  
 Polarization and ellipticity of light scattered from a haze layer (A), JOSA 64: 1389

## Helium

- Calculations of line absorption for the Voigt profile (T) (L), JOSA 68: 1008  
 Completely resolved fine structure in D, F, and G Rydberg states of <sup>4</sup>He (A), JOSA 69: 1410  
 Grottrian charts for atoms and ions of rare gases (ET) (L), JOSA 64: 396  
 Measurement of the He 1s2s <sup>1</sup>S<sub>0</sub> isotopic shift using a tunable VUV anti-Stokes light source (E), OL 3: 162  
 Optical anomalous dispersion of helium (T), JOSA 64: 1470  
 Photon echoes in plasmas: collisional relaxation in helium on 2 <sup>3</sup>S<sub>1</sub>-3 <sup>3</sup>P<sub>012</sub> (ET), OL 3: 170  
 Physics of Liquid and Solid Helium, Part 1. Edited by K. H. Bennemann and J. B. Ketterson (B), Reviewed by Goldman, Allen M., AO 16: 789  
 Physics of Liquid and Solid Helium, Part 2. Edited by K. H. Bennemann and J. B. Ketterson (B), Reviewed by Lipson, S. G., AO 18: 1987  
 Refractive index of He in the region 920-1910 Å (E), JOSA 64: 390  
 Two-photon spectroscopy in helium (A), JOSA 68: 1411

## Heterodyning

- Antenna parameters for incoherent backscatter heterodyne lidar (T), AO 18: 1390  
 Atmospheric pollutant sensing device (P), AO 13: 977  
 Atmospheric refractive effects on coherent lidar performance at 10.6 μm (E), AO 18: 3911  
 Atmospheric transmission measurements at HF and DF laser wavelengths (E) (L), AO 15: 1115  
 Bandpass filtering of moving-object laser heterodyne-signals by finite apertures (T), AO 17: 1194  
 Coherent detection signal-to-noise ratio (T), AO 14: 689  
 Coherent detection SNR of an array of detectors (T), AO 15: 453  
 Dual Bragg cell local oscillator generator for laser heterodyne radar systems (A), JOSA 66: 380  
 Electronic heterodyning in an optical detector (P), AO 18: 3966  
 Evaluation of optical heterodyne detectors at 5145 Å (E) (L), AO 16: 1810  
 Experimental determination of the optimum conditions for heterodyne detection of optical fields (A), JOSA 65: 1199  
 Fabry-Perot diplexer (P), AO 18: 3271  
 Field properties of multiple coherently combined lasers (T), AO 18: 270  
 Focused beams, reciprocity, and heterodyne detection (A), JOSA 65: 1218  
 Generation and detection of two-photon coherent states in degenerate four-wave mixing (T), OL 4: 334



- Gregorian all-reflective optical system (P), AO 17: 1473
- Heterodyne detection: phase front alignment, beam spot size, and detector uniformity (T), AO 14: 1953
- Heterodyne frequency measurements with a tunable diode laser-CO<sub>2</sub> laser spectrometer: spectroscopic reference frequencies in the 9.5- $\mu$ m band of carbonyl sulfide (E), AO 18: 3567
- Heterodyne interferometer for measuring surface profiles from interferograms (A), JOSA 67: 1365
- Heterodyne measurements of infrared absorption frequencies of D<sub>2</sub>O (E), OL 2: 70
- High-performance real-time heterodyne interferometry (ET), AO 18: 1797
- High-sensitivity infrared heterodyne radiometer using a tunable-diode-laser local oscillator (E), OL 1: 84
- Hints and tricks in holographic heterodyne interferometry (A), JOSA 65: 1223
- Incoherent optical heterodyne detection and its application to air pollution detection (TE), AO 17: 3444
- Infrared heterodyne astronomy—applied quantum electronics (A), JOSA 68: 637
- Infrared heterodyne spectroscopy of atmospheric ozone (E), AO 16: 526
- Infrared hot carrier diode mixer (ET), OL 1: 178
- Joint signal current probability distribution for optical heterodyne receiver arrays in the turbulent atmosphere (TE), AO 18: 2315
- Laser Doppler measurements of blood velocity in human retinal vessels (TE), JOSA 68: 526
- Laser heterodyne apparatus for measuring small angle scattering from particles (ET), AO 18: 3018
- Laser heterodyne apparatus for roughness measurements of polished surfaces (ET), AO 17: 3827
- Laser heterodyne correlation processing of optical thickness irregularities in transparencies (E), AO 17: 3402
- Laser heterodyne interferometer for measuring biological motions. I. Optical system with fiber-optical probe (A), JOSA 68: 1390
- Laser heterodyne interferometer for measuring biological motions. II. Phase tracking detection system (A), JOSA 68: 1390
- Laser spectroscopy with polarization selective heterodyne detection (A), JOSA 68: 1432
- Measurement of bulk scatter using optical heterodyne detection (A), JOSA 68: 1417
- Optical antenna gain. 2: Receiving antennas (T), AO 13: 2397
- Optical antenna gain. 2: Receiving antennas (T) (errata), AO 13: 2762
- Optical frequency shifter for heterodyne interferometers using multiple rotating polarization retarders (T) (L), AO 17: 3034
- Optical heterodyne interferometer with radiofrequency phase reference (E) (L), AO 15: 2627
- Optical heterodyne radar (lidar) for precision missile tracking and missile guidance (A), JOSA 66: 380
- Optical heterodyne signal power obtained from finite sized sources of radiation (T), AO 13: 150
- Optical heterodyning ellipsometry measurements (L), AO 15: 1378
- Optimal condition for pulsed heterodyne detection of random signals (A), JOSA 68: 1421
- Partial tracking optical heterodyne arrays (T), JOSA 68: 1673
- Periodic structures for heterodyne array detection (A), JOSA 68: 1441
- Phase measurement in heterodyne interferometry using integrating detectors (A), JOSA 69: 1455
- Precision measurements of NH<sub>3</sub> spectral lines near 11  $\mu$ m using the infrared heterodyne technique (E), OL 1: 81
- Program for numerical analysis of optical-heterodyne communication systems (A), JOSA 64: 521
- Radial grating lateral shear heterodyne interferometer (A), JOSA 68: 1391
- Rapid spatially scanning IR heterodyne interferometer (E), AO 18: 615
- Sensitivity limits of an infrared heterodyne spectrometer for astrophysical applications (T), AO 15: 427
- Sensitivity limits of an infrared heterodyne spectrometer for astrophysical applications (errata), AO 16: 2793
- Signal current probability distribution for optical heterodyne receivers in the turbulent atmosphere. 1 (T), AO 17: 2141
- Signal current probability distribution for optical heterodyne receivers in the turbulent atmosphere. 2 (E), AO 17: 2148
- Signal-to-noise ratio in optical heterodyne detection for Gaussian fields (T), AO 17: 3466
- Single-photon optical heterodyning (A), JOSA 68: 1637
- Speckle and specular effects in active long-wavelength imaging systems using heterodyne detection (A), JOSA 68: 1361
- Speckle, heterodyne detection, and object rotation (A), JOSA 66: 179
- Speckle noise model for optical heterodyne line-scan imagery (T), AO 18: 781
- Speckle noise models for optical heterodyne line-scan imagery (A), JOSA 68: 1386
- Three-frequency nonlinear heterodyne detection. 1: cw radar and analog communications (T), AO 14: 666
- Three-frequency nonlinear heterodyne detection. 2: Digital communications and pulsed radar, AO 14: 680
- Transform relationships for optical heterodyne signal processing (A), JOSA 67: 1423
- Up-down frequency shifter for optical heterodyne interferometry (T) (L), JOSA 65: 960
- ## History
- Alter, David, and other spectroscopists in Western Pennsylvania, AO 15: 1722
- American Scientists, Biographical Notes by E. Scott Barr, AO 15: 1695
- Archimedes's burning glass (L), AO 13: 452
- Archimedes's burning glass (L), AO 13: 2A14
- Archimedes's burning glass (L), AO 13: 2A16
- Berkeley Archives achieves depth and breadth, inside back cover (15 Jan) (N), AO 18: 252
- Bicentennial, AO 15: 1695
- Celebrating Einstein (L), AO 18: 1300
- Compton Effect: Turning Point in Physics. By Roger H. Stuewer (B), Reviewed by Green, J. H. S., AO 15: 286
- Coolidge, William D., Birthday (100th) of (N), AO 13: 180
- Copernicus—not so depressing a story, JOSA 64: 1281
- Dalton's, John, discovery of his colour blindness (N), AO 16: 520
- Descartes and the corpuscular theory of light (A), JOSA 65: 1175
- Descartes, Newton, and Snell's law, JOSA 66: 1
- Diocles: On Burning Mirrors. By G. J. Toomer, Editor (B), Reviewed by Stavroudis, Orestes N., AO 16: 1114
- Draper, John William, 1811–1882 photographic scientist, AO 15: 1726
- Early American Science. Edited by Brooke Hindle (B), Reviewed by Hyde, W. Lewis, JOSA 67: 416
- Edison, the Man Who Made the Future. By R. W. Clark (B), Reviewed by Howard, John N., AO 18: 3359
- Edison the scientist, AO 18: 3736
- Eighteenth century optics: the Cartesian-Newtonian conflict, AO 14: 3102
- Einstein Centennial: An opportunity for increasing public awareness (N), AO 18: 774
- Electrophysiological techniques for studying visual function in man: a historical overview (R), JOSA 67: 1451
- Exhibit, physics in 1922 (N), AO 13: 975
- Fire Came By. By John Baxter and Thomas Atkins (B), Reviewed by Howard, John N., AO 16: 3065
- Fourier, Pasteur, and sundry others (R), AO 17: 1318
- Fourier transform infrared spectrometers: their recent history, current status, and commercial future (R), AO 17: 1367
- Friends of the Center for History of Physics (N), AO 13: 1628
- General Electric Company collecting information regarding its history (N), AO 17: 2772
- Getting bubble chambers accepted by the world of professional physicists (N), AO 16: 2941
- Giant mirror of Birr (L), AO 17: 678
- History of far-infrared research. I. The Rubens era (R), JOSA 67: 857
- History of far-infrared research. II. The grating era, 1925–1960 (R), JOSA 67: 865
- History of Science Society symposium on "The use of the history of science in the science curriculum", Madison, Wisconsin, 27–29 Oct 1978 (N), AO 17: 2933
- History of the Raman effect (N), AO 17: A239
- Holography without lasers (A), JOSA 68: 1442
- How radar began (N), AO 16: 2763
- Impasses in applied optics (R), JOSA 64: 123
- In at the Beginnings: A Physicist's Life. By Philip M. Morse (B), Reviewed by Claus, Albert C., JOSA 67: 987
- In defense of pure research, J. J. Thomson (N), AO 16: 517
- Index to Biographical Fragments in Unspecialized Scientific Journals. By E. Scott Barr (B), Reviewed by Howard, John N., AO 13: 1726
- Institute of Optics 1929–1979: a brief commemorative, AO 18: 3223
- Inventory of physics papers approaching deadlines (N), AO 17: 2561
- Joint Ph.D. program in philosophy and history of science at University of Wisconsin (N), AO 16: 2660
- Kelvin, Lord at King's Lynn in Norfolk (N), AO 15: 39
- Lamb, Willis E., Jr., a Festschrift on the Occasion of his 65th Birthday. Edited by D. Ter Haar and M. O. Scully (B), Reviewed by Rothstein, Jerome, AO 18: 1889
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- Minor miracle: an informal history of the National Science Foundation (N), AO 16: 482
- More on that burning glass of Archimedes (L), AO 13: 5A14
- National Research Council of Canada undertakes historical and archival work (N), AO 17: 2738
- Neptune's Gift: A History of Common Salt. By Robert P. Multhauf (B), Reviewed by Howard, John N., AO 18: 1232
- Niels Bohr Library to sell duplicate books (N), AO 17: 2699
- Olmsted, Denison, request for information on (N), AO 16: 2558
- Oppenheimer, J. Robert, letters written prior to 1946 needed (N), AO 17: 2694
- Optics in the U.S.S.R. Academy of Sciences (L), AO 13: 10A14
- Paradoxical philosophy reviewed by James Clerk Maxwell (N), AO 16: 2782
- Planck, Max, a bibliography of his nontechnical writings (N), AO 16: 2162
- Planck's Radiation Law. By Hans Kangro (B), Reviewed by Howard, John N., AO 18: 1232
- Polarized Light. Edited by William Swindell (B), Reviewed by Azzam, R. M. A., JOSA 66: 871
- Princeton University Davis Center Seminar, History of the Professions, research fellowships (N), AO 16: 2646
- Progress in the sources for history of modern astrophysics project (N), AO 17: 2990
- Quantum physics archives available at AIP's Niels Bohr Library (N), AO 13: 1012
- Rayleigh centennial, AO 14: 2827
- Remarks on the quantum theory of the absolute zero of temperature, AO 16: 2971
- Rowland-Wood symposium: 100 years of physical optics, Johns Hopkins University, 20–21 Nov 1975 (M), Reported by Silverman, Shirleigh, AO 15: 592
- Ruled gratings and wavelength tables (R), AO 15: 1744
- Russell, Henry Norris, In Memory of (N), AO 17: 2761
- Rutherford correspondence cataloged (N), AO 13: 745
- Rutherford, Lewis Morris, 1816–1892, AO 15: 1731
- Schlieren, Franz J. (N), AO 15: 235
- Schneider & Co., optical activities (TE) (N), AO 13: 707
- Slater, John C., Solid-State and Molecular Theory: a Scientific Biography (B), Reviewed by Casella, R. C., AO 14: 2800
- Telephone (N), AO 17: 1662
- Temperature scales (N), AO 16: A67
- Thematic Origins of Scientific Thought: Kepler to Einstein. By Gerald Holton (B), Reviewed by Howard, John N., AO 13: 1725
- Theological optics (L), AO 14: A92
- Theological optics: 1. Classical rebuttal (L), AO 15: 323



- Theological optics: 2. Walking on the sand at night in a high wind (L), AO 15: 324
- Theories of Vision from Al-Kindi to Kepler. By David C. Lindberg (B), Reviewed by Riggs, Lorrin A., AO 16: 268
- Theories of Vision from Al-Kindi to Kepler. By David C. Lindberg (B), Reviewed by MacAdam, David L., JOSA 66: 1442
- Tvortzi Fizicheskoi Optiki (Creators of Physical Optics), A Collection of Papers. Edited by V. I. Rodichev (B), Reviewed by Howard, John N., AO 13: 1725
- Tyndall, John: unifier of 19th century science (L), AO 18: 255
- University of Chicago preserves scientists' papers (N), AO 18: 808
- Wood, Robert Williams, AO 15: 1741

## Holmium

- Far-infrared transmittance of Tb, Ho, Tm, Er, and Yb orthoferrite (E), JOSA 65: 605

## Holography

- See also Interferometry; Photoresists
- Aberration corrections for a POS hologram scanner (TE), AO 18: 2166
- Aberration-free optical recording of highly resolved sonar or radar maps (P), AO 17: 1475
- Absorption and phase in-line holograms: a comparison (E), AO 18: 2171
- Accurate determination of the change of curvature (bending) of a surface through holographic interferometry (A), JOSA 64: 1381
- Accurate measurement of absolute retardation using holography (TE), AO 17: 3964
- Achromatic combinations of hologram optical elements (T), AO 15: 542
- Achromatic images from white-light transmission holograms (A), JOSA 68: 1441
- Achromatic systems for white light holography (A), JOSA 69: 1435
- Achromatic triplet using holographic optical elements (T), AO 16: 1390
- Acoustical holography by sector scanning (errata), JOSA 64: 578
- Acoustical holography system for acoustic image conversion (P), AO 15: 831
- Acoustical Holography, Volume 5. Edited by Philip S. Green (B), Reviewed by Kock, Winston E., AO 14: 245
- Acoustical Imaging and Holography journal (N), AO 15: 2227
- Acoustooptic beam deflection for spatial frequency multiplexing in high speed holocinematography (E), AO 17: 2071
- Additional property of interferometer symmetry (T) (L), AO 17: 505
- Advances in bleaching methods for photographically recorded holograms (A), JOSA 64: 563
- Advances in bleaching methods for photographically recorded holograms (E), AO 13: 2942
- Advances in bleaching methods for photographically recorded holograms: comments (E) (L), AO 14: 1763
- Advances in Holography, Volume 1. Edited by Nabil H. Farhat (B), Reviewed by Condell, W. J., Jr., AO 15: 1891
- Advances in Holography, Volume 2. Edited by Nabil H. Farhat (B), Reviewed by Condell, W. J., Jr., AO 16: 270
- Advances in Holography, Volume 3. Edited by Nabil H. Farhat (B), Reviewed by Condell, W. J., Jr., AO 17: 1847
- Advances in Holography, Volume 1. Edited by Nabil H. Farhat (B), Reviewed by Stetson, Karl A., JOSA 66: 636
- Advances in Holography, Volume 2. Edited by Nabil H. Farhat (B), Reviewed by Mottier, Francois M., JOSA 68: 143
- Advances in Holography, Volume 3. Edited by Nabil H. Farhat (B), Reviewed by Mottier, Francois M., JOSA 68: 1285
- Aliasing error in digital holography (TE), AO 15: 1187
- Amplitude hologram efficiencies with arbitrary modulation depth, based upon a realistic photographic film model (T), JOSA 67: 1160
- Analysis of a computer-generated binary-phase hologram (ET) (L), AO 13: 2765
- Analysis of a system for hologram interferometry with a continuously scanning reconstruction beam. AO 16: 2535
- Analysis of 3-D vibrations from time-averaged holograms (TE), AO 17: 3713
- Analysis of holographic optics for optical processors (A), JOSA 66: 1061
- Analysis of multiwave diffraction of thick gratings, JOSA 67: 1165
- Analysis of propagation at the second-order Bragg angle of a thick holographic grating (T), JOSA 66: 353
- Analysis of wave-front aberrations caused by deformation of hologram media (T), JOSA 64: 677
- Angular orientation sensitivity of volume holograms (A), JOSA 65: 1219
- Apparatus and method for storage for data (P), AO 16: 2027
- Apparatus for producing one-dimensional holograms (P), AO 15: 1345
- Application of dynamic theory to the description of experimental volume holography results (A), JOSA 65: 1219
- Application of generalized phase control during reconstruction to flow visualization holography (ET), AO 18: 766
- Application of generalized phase control during reconstruction to flow visualization holography: comments (E) (L), AO 18: 2538
- Application of holographic addition to time-average hologram interferometry of constant velocity motion (T) (L), AO 13: 720
- Application of Holography and Optical Data Processing. Edited by E. Marom, A. A. Friesem, and E. Wiener-Avnear (B), Reviewed by Farmer, W. Michael, AO 17: 2862
- Application of in-line holography to drop size measurement in dense fuel sprays (E) (L), AO 17: 328
- Application of Mie effect to reflecting holograms (A), JOSA 64: 1381
- Application of optical processing techniques to the quality control of micromechanics (E), AO 16: 1944
- Application of volume holograms as color-sensitive spatial filters (A), JOSA 68: 1415
- Applications of holography and optical data processing, ICO conference, Jerusalem, 23-26 Aug 1976 (M), Reported by Lohmann, A. W., AO 16: 2
- Archival characteristics of Fourier color holograms (A), JOSA 64: 1396
- Archival characteristics of Fourier color holograms (T), AO 17: 1059
- Area heterodyne optical detection of acoustic holograms (ET) (L), AO 14: 1476
- Arrangement for testing materials without destroying same (P), AO 16: 2026
- Astigmatic one-step rainbow hologram process (E) (L), AO 18: 3728
- Astronomical holography through the turbulent atmosphere (A), JOSA 66: 175
- Automatic beam ratio control system for holography (P), AO 13: 12A26
- Automatic design of holographic gratings for Seya-Namioka monochromators (T), JOSA 68: 1254
- Balanced interferometers with simply adjustable interference angle (T) (L), AO 16: 1806
- Beam scanning device using a stationary hologram (P), AO 18: 3804
- Bibliography of various optical testing methods, AO 14: 1065
- Binary code conversion to produce binary holograms with enhanced diffraction efficiency (P), AO 15: 1360
- Binary-coded Fraunhofer hologram recording technique (P), AO 16: 2027
- Binary computer-generated holograms (A), JOSA 69: 1402
- Binary computer-generated holograms (ET), AO 18: 3661
- Binary phase digital reflection holograms: fabrication and potential applications (E), AO 16: 413
- Binary synthetic hologram (A), JOSA 64: 551
- Binary synthetic holograms (ET), AO 13: 1677
- Binary synthetic holograms: comments (T) (L), AO 14: 563
- Bipolarized beams and total internal reflection (P), AO 13: 2177
- Bleached phase hologram containing nonsilver metal compound (E) (L), AO 13: 2769
- Bragg diffraction of a Gaussian beam by a crossed-Gaussian volume grating (T), JOSA 67: 545
- Bragg diffraction of Gaussian beams of periodically modulated media (T), JOSA 66: 220
- Bragg diffraction of Gaussian beams by periodically modulated media (T) (errata), JOSA 66: 1141
- Camera for forming planar or volume holograms (P), AO 15: 830
- Camera for making holograms (P), AO 15: 583
- Carbon dioxide laser beam shaping with computer generated holograms (E) (L), AO 15: 2959
- Cavity dumped laser system (P), AO 13: 1727
- Characteristic fringe function for time-average holography of periodic nonsinusoidal vibrations (T), AO 14: 129
- Characteristics of a photoresist hologram and its replica (E), AO 13: 1327
- Characteristics of a photoresist hologram and its replica (E) (errata), AO 13: 2190
- Characteristics of deterministic phase codes for holography (ET), AO 14: 102
- Characteristics of holographic scanner utilizing a concave AR (A), JOSA 69: 1481
- Characteristics of relief phase holograms recorded in photoresists (ET), AO 13: 129
- Checkerboard real-imaginary phase code (A), JOSA 68: 1444
- Chopped laser light in electronic speckle pattern interferometry (ET), AO 18: 2377
- Circular-carrier hologram (A), JOSA 64: 1382
- Circular-carrier holograms (TE), JOSA 65: 518
- Circular polarization in certain laser and holography applications (E) (L), AO 14: 1471
- Circular polarization in certain laser and holography applications: comments (E) (L), AO 14: 2567
- Circular polarization in certain laser and holography applications: reply to comments (E) (L), AO 14: 2568
- Classification of the T-E curve (TE), AO 17: 2450
- Classification scheme and properties of schlieren techniques (ET), AO 18: 3338
- Coal particle combustion studied by holography (E), AO 18: 1757
- Coded aperture imaging (L), AO 13: 5
- Coherent imaging with reduced speckle (P), AO 13: 2959
- Coherent optical correlation study of surface displacements (A), JOSA 67: 1365
- CO<sub>2</sub> laser material processing using computer-generated phase reflection holographic scanners (A), JOSA 67: 1434
- Color blur of the rainbow holograms (A), JOSA 68: 1443
- Color blur of the rainbow hologram (T), AO 17: 3290
- Color-encoded focused image holograms (ET), AO 15: 2189
- Color holography (P), AO 15: 1346
- Color holography of three-dimensional objects (A), JOSA 64: 551
- Color television record system (P), AO 15: 582
- Combined optical AD conversion and page composition for holographic memory applications (E) (L), AO 16: 2607
- Compact optical data processor employing holographic reflective lenses (ET), AO 16: 445
- Comparison between the Bojarski exact inverse scattering theory and holography (A), JOSA 67: 1435
- Comparison reader for holographic identification cards (P), AO 18: A224
- Compensation for gross objective motion in real time holographic interferometry (P), AO 15: 1359
- Comprehensive error models and a comparative study of some detour-phase holograms (TE), AO 18: 2861
- Computer-aided holographic vibration analysis for vectorial displacements of bladed disks (A), JOSA 67: 1433
- Computer-aided holographic vibration analysis for vectorial displacements of bladed disks (E), AO 17: 1733
- Computer-generated double-phase holograms (T), AO 17: 3874
- Computer generated hologram; null lens test of aspheric wavefronts (E) (L), AO 13: 2762
- Computer generated holograms for testing aspheric lenses (E), AO 15: 546
- Computer-generated holograms in shearing interferometry (A), JOSA 64: 1370
- Computer-generated holograms in testing optical surfaces (A), JOSA 64: 557
- Computer-generated multiplex holography (A), JOSA 69: 1409
- Computer generated polarization holograms: phase recording by polarization effect in photodichroic materials (T), AO 15: 1030



- Computer-generated polarization holograms. 2: Experimental verification (E) (L), AO 16: 1138
- Computer-produced hologram for two-dimensional scanners (A), JOSA 67: 1434
- Computer-produced holograms for scanners utilizing an auxiliary reflector (TE), AO 17: 1582
- Computer synthesis of binary Fourier transform holograms using ordered dither (A), JOSA 68: 1440
- Cone-shaped cover for 360° holography (E) (L), AO 16: 1798
- Contact printing method utilizing heated photoresist adhesive property for hologram copying (E) (L), AO 18: 3073
- Contour generation of vibrating object, by weighted subtraction of holograms (TE) (L), AO 13: 1280
- Contour holography using an injection-locked flash-pumped dye laser (E), OL 2: 77
- Contour map display using computer-generated holograms (TE), AO 14: 2447
- Contributions to information and noise in zone plate coded imaging from various recording media (A), JOSA 69: 1415
- Convergence of a spectrum shaping algorithm (T) (L), AO 13: 2470
- Conversion of a pattern into a machine-readable form (P), AO 13: 2959
- Correlation properties of diffusers for multiplex holography (A), JOSA 69: 1409
- Corrugated-wave-theory analysis for holography (A), JOSA 64: 1381
- Coupled-wave theory for multiply exposed thick holographic gratings (TE), JOSA 65: 724
- Coupling in doubly exposed, thick holographic gratings (ET), JOSA 65: 730
- Coupling in doubly exposed, thick holographic gratings (ET) (errata), JOSA 66: 79
- Criterion for Bragg and Raman-Nath diffraction regimes (T), AO 17: 1757
- Cross-correlation discrimination for optical cavity modes (ET), AO 15: 206
- Crystals for recording phase holograms (P), AO 16: 12
- Crystals for recording phase holograms (P), AO 17: 2259
- Damage resistance of holographic and ruled gratings used as laser wavelength-tuning elements (A), JOSA 66: 383
- Data recording using one-dimensional holography (A), JOSA 65: 1224
- Data-reducing apparatus for holographic flow interferograms (A), JOSA 66: 382
- Decoding of a noncoherent hologram using noncoherent light (TE), JOSA 65: 1448
- Deep-image rainbow holograms (ET), OL 2: 82
- Degradation of holographic images due to depolarization of reflected light (TE), JOSA 68: 931
- Describing holographic optical elements as lenses (T), JOSA 67: 803
- Design considerations of 2-D holographic scanners (T), AO 17: 748
- Design considerations of two-dimensional holographic scanners (A), JOSA 66: 1062
- Designing and constructing thick holographic optical elements (TE), AO 17: 1220
- Designing systems containing diffractive elements (A), JOSA 66: 1061
- Designing thick-holographic optical elements (A), JOSA 67: 1435
- Design techniques for forming 488 nm holographic lenses with reconstruction at 633 nm (A), JOSA 68: 1443
- Design techniques for forming 488-nm holographic lenses with reconstruction at 633 nm (TE), AO 18: 2418
- Detecting changes of a specular surface (P), AO 13: 6A26
- Detector for use in acoustic holography (P), AO 16: 2027
- Determination of sensitivity vectors in hologram interferometry from two known rotations of the object (A), JOSA 69: 1402
- Determination of the sensitivity vectors directly from holograms (T) (L), JOSA 67: 1351
- Detour phase error in the Lohmann hologram (T), AO 18: 575
- Development effects and the MTF of high-resolution photographic materials for holography (E), JOSA 64: 862
- Development of a holocamers for 3-D microscopy of the unanesthetized human eye (A), JOSA 68: 1382
- Device for producing holographic lens (P), AO 16: 1814
- Device for reproducing information recorded in a hologram (P), AO 13: 12A26
- Diagnostics of high-energy laser cavities using holographic techniques (A), JOSA 66: 384
- Dichromated gelatin for the fabrication of holographic optical elements (E), AO 18: 2407
- Dichromated gelatin holographic combiners for head-up displays (A), JOSA 67: 1373
- Diffraction by M centers in KCl (ET), AO 15: 2428
- Diffraction efficiency for crossed-beam gratings away from Bragg incidence (A), JOSA 68: 1440
- Diffraction efficiency of constitutive holograms in multiplex holography (A), JOSA 65: 1219
- Diffraction efficiency of evanescent-wave holograms (A), JOSA 67: 1432
- Diffraction efficiency of evanescent-wave holograms. I. TE polarization (T), JOSA 68: 795
- Diffraction efficiency of evanescent-wave holograms. II. TM polarization (T), JOSA 68: 802
- Diffraction efficiency of specular multiplexed holograms recorded on Kodak 649F plates (E), AO 18: 3652
- Diffraction efficiency of the first and second orders of a thick holographic grating at the second-order Bragg angle (A), JOSA 65: 1219
- Diffraction-limited differential wavelength holograms (A), JOSA 64: 1382
- Diffraction of Gaussian beams by a periodically modulated layer (T), JOSA 67: 1555
- Diffraction regimes of transmission gratings (T), JOSA 68: 809
- Digital and optical reconstruction of images from suboptical diffraction patterns (TE), AO 13: 665
- Digital Computer Holography: Synthesis of Holograms of Very Simple Objects and Image Reconstruction. By B. F. Fedorov and R. I. Elman (B), Reviewed by Hawkes, P. W., AO 16: 536
- Digital hologram reconstruction of radio telescope data (E) (L), AO 16: 1113
- Direction-sensitive displacement analysis by multiple frequency holographic interferometry (TE), AO 17: 1213
- Distortions in cylindrical holographic stereogram images (A), JOSA 68: 1440
- Double-exposure holographic interferometry using commonpath reference waves (ET), AO 16: 1736
- Double modulation holographic recording technique (P), AO 18: A114
- Doubly modulated on-axis thick-hologram optical elements (A), JOSA 67: 1435
- Dual beam interferometer with autoequalization of path length (ET) (L), AO 15: 2302
- Dual-hologram identity card (P), AO 18: 3488
- Dual index holographic contour mapping over a large range of contour spacings (E) (L), AO 14: 23
- Dye removal from holographic films (E) (L), AO 13: 1994
- Dynamically induced refractive-index nonuniformities in electro-optical holographic gratings (A), JOSA 66: 1084
- Dynamically produced refractive-index variations with thickness of volume holograms in electrooptic crystals (T), AO 15: 3021
- Dynamics of human teeth in function by means of double pulsed holography; an experimental investigation (E), AO 13: 2481
- Effect of reference and illuminating sources size in holography (T), JOSA 69: 273
- Effect of the threshold detection property of photographic films on hologram linearity and efficiency (T), JOSA 66: 558
- Effects of material properties on holographic image formation: a tutorial review (A), JOSA 64: 1388
- Effects of the relative phase relationships of gratings on diffraction from thick holograms (T), JOSA 69: 705
- Efficiency and colorimetry of color-encoded focused-image holograms (A), JOSA 64: 551
- Electrical control in photoferroelectric materials for optical storage (E), AO 13: 784
- Electrically accessible Lippmann hologram memory (E), AO 16: 2532
- Electronic heterodyne recording and processing of optical holograms using phase modulated reference waves (T), AO 17: 917
- Elimination of wavefront aberration of optical elements used in phase difference amplification (ET), AO 13: 2014
- Endoscopic holography for medical diagnosis (A), JOSA 68: 1382
- Engineering Applications of Lasers and Holography. By Winston E. Kock (B), Reviewed by Latta, John N.; Leith, Emmett N., JOSA 69: 203
- Enhanced readout of stored holograms (P), AO 16: 798
- Environmental stability of holographic recording materials (A), JOSA 64: 563
- Error rates in computer-generated holographic memories (A), JOSA 64: 1395
- Error rates in computer-generated holographic memories (T), AO 14: 1690
- Estimating the refractive error in optical measurements of transport phenomena (T), AO 14: 185
- Evaluation of a dual-axis holographic lens (A), JOSA 64: 1381
- Evaluation of deformation tolerance of the hologram medium (T), JOSA 64: 928
- Experimental evidence of edge parameter effects in light diffraction, using holography (E), JOSA 67: 87
- Experimental holographic read-write memory using 3-D storage (E), AO 13: 808
- Experimental implementation of the fringe vector method of holographic strain analysis (A), JOSA 66: 1085
- Explanation of the two-ring diffraction phenomenon observed by Moran and Kaminov (T) (L), AO 13: 2
- Exposure characteristics of dichromated-gelatin holograms (A), JOSA 66: 1063
- Extended-field holographic lens arrays (P), AO 15: 582
- Extension of lens-system model of holography (T), JOSA 64: 310
- Fabrication of thin periodic structures in photoresist: a model (E), AO 15: 1071
- Families of two-dimensional phase-coded diffusers for multiplex holography (A), JOSA 67: 1435
- Fast-Fourier-transform holography: recent results (TE), OL 3: 30
- Feasibility of holography in the soft x-ray region (A), JOSA 69: 1415
- Fe-doped LiNbO<sub>3</sub> for read-write applications (ET), AO 13: 788
- Fiber optic phase correction using holograms (P), AO 18: A114
- Fifth holography school, Novosibirsk, 29 Jan-3 Feb 1973 (M), Reported by Kock, Winston E.; Stroke, George W., AO 13: 11A14
- Film-grain noise in holography (T), JOSA 69: 278
- Finite beam reflection volume holograms (A), JOSA 69: 1416
- Flat scan holographic laser beam deflector (P), AO 18: A115
- Focal cross for holographic imagery (A), JOSA 65: 1223
- Focused-image hologram memory (P), AO 15: 1359
- Focused image hologram projector using a long narrow light source (P), AO 15: 1671
- Focused-image hologram system with increased optical readout efficiency (P), AO 18: 3804
- Focusing property of holographic gratings (A), JOSA 64: 538
- Formation of dichromated gelatin holograms (A), JOSA 69: 1416
- Formation within a polycrystalline photoexcitable electro-optic plate (P), AO 15: 583
- Forming a three-dimensional image from a sequence of two-dimensional images of different perspective (P), AO 15: 583
- Four beam holographic interferometry (P), AO 13: 7A26
- Four-exposure hologram moire interferometry and speckle-pattern interferometry: a comparison (E) (L), AO 14: 22
- Fourier color holograms for archival image storage—a progress report (A), JOSA 69: 1403
- Fourier-Optik und Holographie. By E. Menzel, W. Mirande, and I. Weingaertner (B), Reviewed by Burckhardt, C. B., JOSA 65: 361
- Fourier-Optik und Holographie. Von E. Menzel, W. Mirande, and I. Weingaertner (B), Reviewed by Hawkes, P. W., AO 13: 2437
- Fourier processing in the object plane (ET), OL 4: 286
- Fourier spectrum of an object using holographic lenses (E) (L), AO 14: 2562
- Fourier transform holographic memory with random phase shifting produced by random size variations in a lens array (P), AO 13: 12A26



- Fourier-transform holography by pseudo-random phase shifting (P), AO 17: 2260
- Fourier transform plane superposition multiplier: theory, experimental results, and discussion (TE), AO 17: 3060
- Fraunhofer hologram for image multiplication by amplitude sampling spatial filtering (ET), AO 15: 1639
- Frequency-encoded focused image hologram record (P), AO 16: 12
- Frequency-modulated zone plate for coherent noise reduction (E), AO 18: 2394
- Fresnel lens scatter plate for data reduction holography (P), AO 13: 2177
- Fringe contrast dependence on the imaging system aperture stop in hologram interferometry (A), JOSA 69: 1416
- Fringe formation in two-wavelength contour holography (TE), AO 15: 3009
- Fringe interpretation for hologram interferometry of rigid-body motions and homogeneous deformations (T), JOSA 64: 1
- Fringe localization in holographic interferometry of phase objects (A), JOSA 66: 1084
- Fringe sharpening and diffraction in nonlinear two-exposure holographic interferometry (TE) (L), JOSA 66: 1418
- Fringe vectors and observed-fringe vectors in hologram interferometry (T) (L), AO 14: 272
- Fringe visibility in two hologram interferometry (A), JOSA 68: 1440
- Full view hologram (P), AO 16: 13
- Generalized binary computer-generated holograms as spatial filters (A), JOSA 66: 169
- Generalized holographic formation of a lensless Fourier transform. 1: Different geometries (T) (L), AO 18: 3550
- Generalized lensless Fourier transform hologram (A), JOSA 67: 1432
- Generalized sampling theorem with application to computer-generated transparencies (T), JOSA 67: 1666
- Generalized sampling theorem with application to computer-generated transparencies (T), JOSA 68: 1658
- General theory of the aberrations of diffraction gratings and gratinglike optical instruments (T), JOSA 66: 346
- General theory of the aberrations of diffraction gratings and gratinglike optical instruments (T) (errata), JOSA 67: 1695
- General theory of time-averaged holography for the study of three-dimensional vibrations at a single frequency (TE), JOSA 68: 924
- Generation of color images with one-step rainbow holograms (E) (L), AO 17: 1490
- Geometrical optics of holograms (T), JOSA 65: 903
- Geometrical transformations in optics (P), AO 18: 3341
- Geometrical transformations in optics (TE), JOSA 64: 1092
- Geometric theory of the grating (T), JOSA 64: 1031
- Grating efficiency theory as it applies to blazed and holographic gratings (TE), AO 16: 2711
- Grating modulated phase plates for holographic storage (TE), AO 14: 2267
- HF laser spectral analysis using near-field holography (E), AO 16: 67
- High accuracy holographic length comparator and some other uses of holography with specular reflection (A), JOSA 66: 1085
- High density image-storage holograms by a random phase sampling method (E), AO 13: 2046
- High efficiency multiple beam gratings (TE), AO 18: 2152
- High-order circular-mode selection in a conical resonator (E) (L), AO 16: 1791
- High quality computer holograms: the problem of phase representation (TE), JOSA 66: 989
- High-resolution hologram recording with 1.06  $\mu\text{m}$  radiation (A), JOSA 65: 1220
- High-resolution, wide-field holographic lens (P), AO 18: 3804
- High speed holographic digital recorder (ET), AO 13: 841
- Hints and tricks in holographic heterodyne interferometry (A), JOSA 65: 1223
- 360° hologram displays for educational use (A), JOSA 64: 1396
- Hologram formation and harmonic generation in dichromated-gelatin films (A), JOSA 65: 1220
- Hologram formation with red light in methylene blue sensitized dichromated gelatin (E), AO 15: 556
- Hologram fringe stabilization method (E) (L), AO 16: 291
- Hologram gratings: amplitude and phase components (T) (L), AO 14: 2818
- Hologram having expanded viewing area (P), AO 18: A224
- Hologram indexing in LiNbO<sub>3</sub> with a tunable pulsed laser source (E), AO 18: 2555
- Hologram interferometry without a reference beam (ET), OL 2: 122
- Hologram is a poem, AO 13: 1317
- Hologram memory with sequential data storage and beam angular relationship (P), AO 15: 1887
- Hologram producing apparatus with random object beam sampling (P), AO 15: 583
- Hologram projector (P), AO 17: 2261
- Hologram recording and reconstructing system (P), AO 15: 1359
- Hologram recording device (P), AO 15: 1671
- Hologram repositioning in an interferometric technique (ET), AO 18: 3838
- Holograms (P), AO 15: 584
- Hologram with an orthoscopic image (P), AO 16: 799
- Hologram writer using a plasma display panel (E), AO 13: 819
- Holographically formed gratings for x-ray spectroscopy (A), JOSA 65: 1214
- Holographically generated lens (TE), AO 13: 2924
- Holographic and shearing interferometer for routine optical testing including aspherics (A), JOSA 68: 1416
- Holographic article and process for making same (P), AO 18: 3804
- Holographic associative memory and processor (T), AO 14: 1088
- Holographic beam deflector utilizing a flat or concave disk and an auxiliary mirror (A), JOSA 64: 1382
- Holographic beam scanner with concentric reflector (A), JOSA 69: 1481
- Holographic characteristics of 10E75 plates for single- and multiple-exposure holograms (ET), AO 14: 2260
- Holographic checking the optical characteristics of transparent members (P), AO 13: 12A26
- Holographic color television record system (P), AO 15: 1345
- Holographic, color, wide angle, infinity optics display (A), JOSA 69: 1415
- Holographic concave gratings for Seya-Namioka monochromators (T), JOSA 64: 1043
- Holographic contouring by translation (TE), AO 15: 1018
- Holographic contouring with a multifrequency laser (P), AO 15: 1889
- Holographic correction of both chromatic and spherical aberrations of single glass lenses (ET), AO 18: 2385
- Holographic correlation method for processing multispectral-scanner data (A), JOSA 64: 550
- Holographic coupler for optical waveguides (P), AO 15: 1887
- Holographic data store (A), JOSA 64: 543
- Holographic determination of rigid-body motions, and application of the method to orthodontics (T), AO 18: 1442
- Holographic device with divided object beams, a multicolor light source and direction-selective screen (P), AO 17: 2261
- Holographic diffraction gratings used in normal incidence monochromators for synchrotron radiation (E) (L), AO 14: 2317
- Holographic Doppler imaging of rotating objects (TE), AO 14: 134
- Holographic Doppler-spread imaging of moving objects (P), AO 18: 3757
- Holographic evaluation of resolution in amorphous chalcogenide inorganic photoresists (ET), AO 18: 1753
- Holographic fiber to waveguide coupler (P), AO 15: 1359
- Holographic grating scanners with aberration corrections (A), JOSA 66: 1062
- Holographic grating scanners with aberration corrections (ET), AO 16: 1392
- Holographic gratings, designing a new generation of instruments (A), JOSA 64: 1376
- Holographic image formation using phase plates with incoherent imaging property (TE), AO 15: 1787
- Holographic imaging system by ultra-sound (P), AO 13: 12A26
- Holographic information retrieval system (E), AO 13: 869
- Holographic interferogram analysis from a single view (TE), AO 13: 630
- Holographic interferometer for isopachic stress analysis (P), AO 13: 8A26
- Holographic interferometer to test optical surfaces (ET), AO 14: 2280
- Holographic interferometric microscopy of crystalline materials (A), JOSA 64: 563
- Holographic interferometric microscopy applied to the study of diffusion mechanisms in polymeric systems (A), JOSA 64: 1381
- Holographic interferometric microscopy of polymer crystallization (E), AO 13: 2263
- Holographic interferometric study of liquid diffusion (TE), AO 18: 343
- Holographic interferometry applied to the measurement of displacements of the interior points of transparent bodies (TE), AO 15: 2176
- Holographic Interferometry. By Charles M. Vest (B), Reviewed by Wyant, James C., AO 18: 3155
- Holographic Interferometry. By Yu. I. Ostrovskii, M. M. Butusov, and G. V. Ostrovskaya (B), Reviewed by Glass, Reuben C., AO 18: 1130
- Holographic interferometry: compensation for rigid body motion (ET), AO 15: 1558
- Holographic interferometry for rotating objects (P), AO 13: 4A26
- Holographic interferometry: identification of circuit board component failure (E) (L), AO 15: 24
- Holographic interferometry: identification of hot spots in a high density circuit board (E) (L), AO 16: 1802
- Holographic interferometry of a large-bore cw high-energy gas-laser medium during laser-power extraction (E), AO 18: 3835
- Holographic interferometry of surface deformations of transparent fluids (E), AO 17: 3101
- Holographic interferometry technique utilizing two plates and relative fringe orders for measuring micro-displacements (E), AO 13: 231
- Holographic interferometry with increased sensitivity for diffusely reflecting objects (E), AO 16: 1054
- Holographic laser beam deflector (TE), AO 14: 976
- Holographic laser beam scanners utilizing an auxiliary reflector (TE), AO 16: 2137
- Holographic lateral shear interferometer (ET), AO 15: 2695
- Holographic lens array and method for making (P), AO 18: 1287
- Holographic light deflection (ET), AO 17: 3294
- Holographic light-line sight (A), JOSA 69: 1402
- Holographic measurements of refractive-index changes (TE), OL 3: 33
- Holographic memories in the gigabyte region (TE), AO 13: 803
- Holographic memory having spherical recording medium (P), AO 15: 2609
- Holographic memory providing both angular and translational reference beam deflections (P), AO 16: 12
- Holographic memory utilizing a changeable phase object and coherent subtraction (P), AO 15: 1889
- Holographic memory utilizing a changeable phase object and coherent subtraction (P), AO 16: 799
- Holographic memory with ferroelectric-ferroelastic page composer (P), AO 15: 831
- Holographic memory with fringe stabilizing compensation for recording medium motion (P), AO 18: 3804
- Holographic memory with retrieval by correlation (P), AO 15: 831
- Holographic methods for painting diagnostics (E), AO 13: 2009
- Holographic microscope with suppression of coherent noise (P), AO 15: 1359
- Holographic microscopy (E), AO 17: 944
- Holographic motion pictures of microscopic plankton (E), AO 17: 951
- Holographic nondestructive testing that utilizes chirped acoustic stressing (A), JOSA 65: 1224
- Holographic Nondestructive Testing. Edited by Robert K. Erf (B), Reviewed by Macovski, Albert, AO 14: 2797
- Holographic nondestructive testing at the Fourier plane (ET) (L), AO 17: 848
- Holographic Nondestructive Testing. Edited by Robert K. Erf (B), Reviewed by Wilson, Alan D., JOSA 65: 860



- Holographic opaque document scanner (P), AO 18: A113
- Holographic optical elements recorded with arbitrary wave fronts (A), JOSA 69: 1429
- Holographic optics for a matched-filter optical processor (TE), AO 18: 631
- Holographic-optics telescopes—revisited (A), JOSA 64: 552
- Holographic page synthesis for sequential input of data (E), AO 13: 896
- Holographic particle velocity measurement in the Fraunhofer plane (ET), AO 18: 623
- Holographic process for the real-time storage and retrieval of high speed digitally encoded information (P), AO 17: 2260
- Holographic radial shear interferometer (TE), AO 13: 2035
- Holographic radio camera: experimental results on reconstruction of ionospheric irregularities (A), JOSA 67: 1435
- Holographic readout system (P), AO 15: 1345
- Holographic real image of a point source (T) (L), JOSA 68: 423
- Holographic recording by dye-sensitized photopolymerization of acrylamide (E), AO 14: 378
- Holographic recording in photographic emulsions (A), JOSA 64: 1388
- Holographic recording of information concerning radiative wave fields (A), JOSA 65: 1219
- Holographic recording of magnified dark-field images (A), JOSA 66: 384
- Holographic recording on Takiwax films at 10.6  $\mu\text{m}$  (A), JOSA 67: 1434
- Holographic recording on thermoplastic films (E), AO 13: 888
- Holographic representations of space-variant systems using phase-coded reference beams (ET), AO 16: 3131
- Holographic ruby laser with long coherence and precise timing (E), AO 13: 2486
- Holographic scan aberration correction: a clarification (TE) (L), AO 16: 2361
- Holographic schlieren method (P), AO 13: 976
- Holographic simulation of ellipsoid and hyperboloid mirrors (ET) (L), AO 16: 1474
- Holographic simulation of parabolic mirrors (E) (L), AO 14: 564
- Holographic simulation of phase contrast (A), JOSA 68: 1382
- Holographic speckle reduction by complementary spatial sampling (ET), AO 16: 1371
- Holographic speckle reduction without resolution tradeoff (A), JOSA 65: 1196
- Holographic storage and photoconductivity in PLZT ceramic materials (TE), AO 15: 1550
- Holographic storage and projection of conventional movies (A), JOSA 64: 1396
- Holographic storage and retrieval (P), AO 18: A114
- Holographic storage in electro-optic and ferroelectric materials (A), JOSA 64: 1389
- Holographic storage in  $\text{LiNbO}_3$  with a tunable pulsed laser source (A), JOSA 68: 1442
- Holographic storage in U-doped  $\text{LiNbO}_3$  (E), AO 14: 2453
- Holographic storage of 3-D images in a 2-D photoplate (N), AO 16: 274
- Holographic strain analysis: an experimental implementation of the fringe-vector theory (ET), AO 17: 3613
- Holographic strain analysis by fringe-localization planes (T) (L), JOSA 66: 627
- Holographic strain analysis: extension of fringe-vector method to include perspective (T), AO 15: 725
- Holographic superresolution of rotating objects (A), JOSA 64: 551
- Holographic system for nondestructive testing (P), AO 15: 2609
- Holographic systems for recording and reading out refractive index gratings within the body of a photosensitive electrooptical material (P), AO 15: 1887
- Holographic television record system (P), AO 13: 1226
- Holographic video disk: an alternative approach to optical video disks (E), AO 15: 1398
- Holographic voice response storage (A), JOSA 66: 1062
- Holographie en infrarouge sur de minces couches d'huile (E), AO 17: 3622
- Holography and Information Processing. Edited by S. B. Gurevich (B), Reviewed by Hawkes, P. W., AO 17: 497
- Holography and Its Applications. By Yu. I. Ostrovsky (B), Reviewed by Barrett, Harrison H., AO 17: 1477
- Holography—a Survey. By David D. Duley (B), Reviewed by Silverman, Shirleigh, AO 15: 288
- Holography—a technical stunt (L), AO 14: 2796
- Holography. By M. Francon (B), Reviewed by Macovski, Albert, AO 14: 2797
- Holography. By M. Francon (B), Reviewed by Smith, Howard M., JOSA 64: 1350
- Holography independent of illumination angle (P), AO 16: 1813
- Holography in Medicine: Applications in the Biomedical Sciences. Edited by Pal Greguss (B), Reviewed by Caulfield, Henry John, JOSA 67: 261
- Holography in Medicine. Edited by Pal Greguss. (B), Reviewed by Kak, A. C., AO 16: 794
- Holography memory (P), AO 15: 831
- Holography of a moving object using the frequency chirp of a Q-switched ruby laser (ET), AO 17: 3096
- Holography 1975: the first decade. from the inside looking out (L), AO 14: 2795
- Holography using a  $\text{Bi}_{12}\text{SiO}$  or  $\text{Bi}_{12}\text{GeO}_{20}$  recording medium (P), AO 18: 3488
- Holography with an achromatic, grating-based interferometer: experimental results (A), JOSA 64: 552
- Holography with optical guided waves (A), JOSA 66: 1062
- Holography without lasers (A), JOSA 68: 1442
- Holography with standing surface-plasma waves (A), JOSA 64: 257
- Holo-lens optical spatial frequency processor (E) (L), AO 15: 849
- Holomoir interferometry applied to NDT (ET) (L), AO 17: 3700
- Holoscan: a commercial holographic ROM (E), AO 13: 1345
- Homogeneous deformations: determination by fringe vectors in hologram interferometry (T), AO 14: 2256
- Iconics: Digital Holography; Image Processing. Edited by D. S. Lebedev and G. G. Vainshtein (B), Reviewed by Hawkes, P. W., AO 15: 1892
- Image blur for rainbow holograms (T), OL 1: 130
- Image coding with far-field holograms (A), JOSA 67: 1381
- Image coding with far-field holograms (ET), AO 17: 2768
- Image information by means of speckle-pattern processing (TE), JOSA 65: 279
- Image plane holograms for holographic microscopy (E), AO 17: 1455
- Image resolution in quasi-Fourier-transform holograms (A), JOSA 65: 1223
- Image restoration using volume diffraction gratings (ET), OL 3: 124
- Image-shearing camera for direct measurement of surface strains (ET), AO 18: 1046
- Images of gas molecules by electron holography. III. Theory of optical spatial domain filter (TE), JOSA 69: 1292
- Image-space scalling (P), AO 13: 2959
- Image speckle patterns of weak diffusers (T), JOSA 65: 769
- Image storage display and processing in photosensitive electro-optic crystals— $\text{LiNbO}_3\text{:Fe}$  (A), JOSA 66: 389
- Imaginary architecture and the aesthetics of impermanence (A), JOSA 65: 1189
- Imaging properties of holographic gratings (T), JOSA 67: 1021
- Imaging transparent objects with coherent light (P), AO 13: 2A26
- Implementation of hologram interferometry with a continuously scanning reconstruction beam (ET), AO 17: 1727
- Implementations of phase-coded reference beams for multiplex holography (A), JOSA 68: 1443
- Improved dichromated gelatin for holography (A), JOSA 66: 1063
- Improved microimages from in-line absorption holograms (E) (L), AO 18: 263
- Improved thermoplastic-photoconductor devices for holographic recording (E), AO 13: 2934
- Improvement of image quality in holographic microscopy (A), JOSA 66: 1061
- Incoherent diffraction correlator with a holographic filter (T), AO 18: 4203
- Incoherent holographic record of a nonlinear source (E), JOSA 67: 4
- Incoherent optical-image processing using synthetic holograms (TE), JOSA 66: 14
- Incoherent superposition in volume phase holograms (A), JOSA 64: 1396
- Increasing effective size of holography tables (E) (L), AO 18: 418
- Increasing the holographic matched filter information capacity (T), AO 16: 3027
- Index and surface simultaneous modulation in negative photoresist films (E), JOSA 67: 1651
- Influence of the reciprocity law for the Kodak 649F plate used as detector in multiplexing holography (A), JOSA 66: 1083
- Information coding use (P), AO 18: A114
- Infrared holograms recorded at 10.6  $\mu\text{m}$  and reconstructed at 0.6328  $\mu\text{m}$  (E) (L), AO 15: 2018
- Infrared holography: an analysis of the thermal behavior of thin films (T), AO 15: 1541
- Infrared holography using the thermochromic material  $\text{Cu}_2\text{HgI}_4$  (TE), AO 18: 2398
- Infrared image construction with computer-generated reflection holograms (E) (L), AO 16: 2798
- Intensity requirements in X-ray holography at 1  $\text{\AA}$  (T) (L), AO 16: 525
- Interferograms of holographic optical elements (E) (L), AO 16: 1809
- Interferometer for optical testing with computer-generated holograms (E) (L), AO 16: 546
- Interferometric apparatus (P), AO 13: 6A26
- Interferometric method of measuring plotter distortion (ET) (L), AO 13: 1549
- Interferometric testing with computer-generated holograms: aberration balancing method and error analysis (TE), AO 17: 558
- Interferometric two-dimensional imaging of rotating objects (TE), OL 1: 54
- Interferometry and reconstruction of strongly refracting asymmetric-refractive-index fields (T), OL 4: 311
- Interferometry of strongly refracting axisymmetric phase objects (T), AO 14: 1601
- Intermittent characteristic curves for Kodak 649F plates at 514.5 nm (E), AO 18: 3644
- Intermodulation spatial-bandwidth-reduction method in offset-reference holography (TE), JOSA 65: 1007
- Intra-emulsion diffusion-transfer processing of volume dielectric holograms (A), JOSA 64: 1393
- Introduction to Acoustical Holography. By B. P. Hildebrand and B. B. Brenden (B), Reviewed by Vilkomerson, David, AO 14: 2569
- Introduction to Acoustical Holography. By B. P. Hildebrand and B. B. Brenden (B), Reviewed by Smith, Howard M., JOSA 64: 1728
- Introduction to Diffraction, Information Processing, and Holography. By Francis T. S. Yu (B), Reviewed by Williams, John R., AO 13: 685
- Introduction to Diffraction, Information Processing, and Holography. By Francis T. S. Yu (B), Reviewed by Carlson, F. Paul, JOSA 66: 395
- Introduction to Radio Holography. By G. S. and A. P. Safronova (B), Reviewed by Kock, Winston E., AO 13: 4A18
- Isopachics measurement using immersion method polarization holography (ET), AO 15: 3025
- KCl:K prepared for highly efficient holographic storage (E) (L), JOSA 67: 1691
- Kodachrome as a holographic material (A), JOSA 65: 1220
- Large-aperture holographic spherical beam-splitter mirrors (A), JOSA 67: 1374
- Large aperture, wide spectral response, spherical beam-splitter mirrors (A), JOSA 68: 1442
- Large-size distortion-free computer-generated holograms in photoresist (E) (L), AO 16: 2014
- Laser beam profile measurements using spatial sampling, Fourier optics, and holography book (N), AO 18: 2036
- Laser beam scanners constructed from volume holograms (A), JOSA 69: 1481
- Laser-beam scanning using computer-generated hologram (A), JOSA 65: 1224
- Laser beam scanning using computer-generated holograms (TE), AO 15: 183
- Laser machining with modulated zone plates (ET), AO 13: 269
- Laser scanning system utilizing computer generated holograms (P), AO 18: 2542
- Laser scattering induced holograms in lithium niobate (ET) (L), AO 13: 1545
- Laser speckle reduction: equivalence of the moving aperture method and incoherent spatial filtering (TE), AO 16: 685



- Laser type weapon fire simulation system (P), AO 16: 2788
- Latent-imaging photopolymer systems (A), JOSA 66: 1083
- Latent-imaging photopolymer systems (E), AO 17: 566
- Lensless matched filter: operating principle, sensitivity to spectrum shift, and third-order holographic aberrations (TE), AO 15: 2830
- Light filtering for holographic displays (P), AO 16: 799
- Light-in-flight recording by holography (TE), OL 3: 121
- Light-scatter control in holographic dichromated gelatin (A), JOSA 67: 1434
- Limitation of the observable surface acoustic wave amplitude in frequency-shift holography (TE), AO 17: 1760
- Limitations on holographic storage capacity of photochromic and photorefractive media (T), AO 18: 57
- Limits to the detection of small internal voids in solids with holographic techniques (T), AO 13: 1711
- Lippmann color holograms recorded in methylene-blue-sensitized dichromated gelatin (E), OL 4: 289
- Lucite as a recording material in SEM holography (E) (L), AO 14: 21
- Magnitude-coupled phase quantization (ET), AO 13: 2274
- Making computer-generated holograms on image-processing equipment (A), JOSA 68: 1440
- Manipulation of holographic interference fringes (A), JOSA 67: 1433
- Manufacturing and utilizing holographic lens (P), AO 18: A224
- Mapping of noise-like sound sources with acoustical holography (E) (L), AO 14: 1478
- Matched filtering using rough input objects (A), JOSA 69: 1435
- Materials processing with CO<sub>2</sub> laser holographic scanner systems (TE), AO 17: 3727
- Mathematical equivalence between a holographic optical element and an ultra-high index lens (T) (L), JOSA 69: 486
- Measurement by holographic interferometry of the deformation of the eye accompanying changes in intraocular pressure (E) (L), AO 17: 3538
- Measurement of deformation in a cylindrical shell by holographic interferometry (ET), AO 13: 1080
- Measurement of diffraction efficiency, SNR, and resolution of single- and multiple-exposure amplitude and bleached holograms (E), AO 17: 1764
- Measurement of flow velocity distribution by means of double-exposure holographic interferometry (E), JOSA 67: 1117
- Measurement of steep aspheric surfaces (E), AO 17: 553
- Measurement of the rotation and translation of diffusely reflecting objects by tuning the direction of reconstruction beam in holographic interferometry (A), JOSA 69: 1456
- Measurement of three-dimensional displacements by scanning a double-exposure hologram (E), AO 13: 1337
- Measurements on images retrieved from holograms (TE), AO 13: 140
- Measuring the displacement field inside a stressed sample (T) (L), AO 16: 813
- Mechanical vibrations: mapping their phase with hologram interferometry (ET), AO 15: 195
- Mechanical vibrations: mapping their phase with hologram interferometry (T) (L), AO 16: 1140
- Memory readout system (P), AO 15: 583
- Metal dithizonates: a new material for recording transient absorption holograms (E) (L), AO 13: 2770
- Method for analyzing spectral data (P), AO 13: 7A26
- Method for preparing a hologram (P), AO 17: 2260
- Method of copying holograms (P), AO 13: 2959
- Method of making a synthetic focused image hologram (P), AO 16: 2027
- Method of measuring the velocity of a small moving object (P), AO 14: A104
- Methods of increasing the sensitivity of methylene blue sensitized dichromated gelatin (E) (L), AO 18: 2538
- Microwave holography with waves guided by a dielectric slab (A), JOSA 64: 563
- Miniature pulsed holo-camera (A), JOSA 67: 1435
- Minimax spectrum shaping with a bandwidth constraint (ET), AO 14: 3062
- Modulated-grating hologram (E), AO 16: 1380
- Modulated holographic grating (E) (L), AO 13: 2767
- Modulation-detection holographic image contouring (A), JOSA 64: 1395
- Moiré-holography method for measuring inhomogeneous distributions of refractive index (T) (L), AO 13: 1551
- Moiré microwave holography (ET), AO 16: 418
- Moiré topography by means of a grating hologram (ET), AO 15: 2414
- Motion picture camera with Doppler shift compensation (P), AO 16: 1813
- Multicolor holographic imaging with a white-light source (E), OL 1: 8
- Multicolor imagery from holograms by spatial filtering (TE), AO 14: 438
- Multicomponent photopolymer systems for volume phase holograms and grating devices (A), JOSA 65: 1220
- Multicomponent photopolymer systems for volume phase holograms and grating devices (E), AO 15: 534
- Multi-element optical-system representation using holographic techniques (A), JOSA 64: 1396
- Multiemulsion transparency providing separate phase and amplitude control (P), AO 18: 3219
- Multifrequency laser oscillator for holographic contouring (P), AO 14: A77
- Multiple-exposure holography (T) (L), AO 13: 1279
- Multiple-exposure holography: addendum (E) (L), AO 14: 2562
- Multiple-sine-slit microdensitometer and MTF evaluation for high resolution emulsions. 1: Theory and mode of operation (ET), AO 13: 2280
- Multiple-sine-slit microdensitometer and MTF evaluation for high resolution emulsions. 2: MTF data and other recording parameters of high resolution emulsions for holography (E), AO 13: 2288
- Multiplex holography with chirp-modulated binary phase-coded reference-beam masks (ET), AO 18: 52
- Multiplying lensless Fourier holograms recorded using a multibeam reference light field (ET) (L), AO 15: 853
- Multislit one-step rainbow holographic interferometry (ET) (L), AO 18: 6
- Multislit spatial filtered pseudocolor holographic imaging (A), JOSA 69: 1415
- Multiwavelength multislit rainbow holographic interferometry (A), JOSA 68: 1443
- Multiwavelength rainbow holographic interferometry (E), AO 18: 212
- Nematic liquid crystal 1024 bits page composer (TE), AO 13: 1355
- New contrast index for TE curve (A), JOSA 67: 1434
- Noise elimination technique in holography (E), AO 15: 530
- Noise reduction by continuous addition of subchannel holograms (TE), AO 14: 1702
- Nonlinear effects in holography (A), JOSA 67: 1433
- Nonlinear effects in holography with two reference point sources (E) (L), JOSA 67: 846
- Nonlinear holographic waveguide coupler (E), AO 15: 1800
- Nonlinear recording in holographic interferometry (TE), JOSA 69: 696
- Nonlinear recording materials (P), AO 15: 2608
- Novel hybrid optical correlator: theory and optical simulation (TE), AO 14: 369
- Object shape and resolution in far-field holography (A), JOSA 69: 1402
- One-dimensional Mellin transformation using a single optical element (TE) (L), AO 18: 754
- One-step rainbow hologram (E), OL 2: 85
- One-step rainbow holography and color imaging (A), JOSA 68: 1443
- One-step rainbow holography with a field lens (TE) (L), AO 17: 3343
- Operations on ultrashort pulses using "flat" lenses (T), JOSA 68: 28
- Optical computing conference, international, Zurich, 9-11 Apr 1974 (M), Reported by Casasent, David, AO 13: 2450
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- Optical correlation having a dye amplifier for amplifying correlating portions of signals (P), AO 15: 1669
- Optical deflecting apparatus (P), AO 15: 1358
- Optical fiber vacuum chuck (E) (L), AO 14: 816
- Optical Holography. Edited by Yu. N. Denisjuk and Yu. I. Ostrovskii (B), Reviewed by Hawkes, P. W., AO 15: 1892
- Optical homogeneity of a ultraviolet-preionized CO<sub>2</sub> laser discharge (E) (L), AO 13: 1995
- Optical image reproducing system for a hologram using a linear white light source (P), AO 16: 12
- Optical information channels: page-accessed and bit-accessed (T) (L), AO 14: 821
- Optical Information Processing and Holography. By W. T. Cathey (B), Reviewed by Stark, Henry, AO 14: 2307
- Optical information retrieval apparatus (P), AO 15: 2944
- Optical map transformations (A), JOSA 64: 545
- Optical processing: a near real-time coherent system using two Itek PROM devices (TE), AO 15: 1418
- Optical processing apparatus (P), AO 15: 1346
- Optical simulator with a holographic component (A), JOSA 67: 1374
- Optical storage and retrieval of cartographic information (A), JOSA 66: 1063
- Optical storage apparatus and process (P), AO 16: 799
- Optical system using adaptive holographic components (P), AO 14: 1042
- Optimal magnitude-phase quantization in computer holography (A), JOSA 64: 1395
- Optimum quantization in digital holography (TE), AO 17: 109
- Orthoscopic color holography of 3-D objects (E) (L), AO 14: 565
- Packing density in holographic systems (TE), AO 14: 1081
- Page-oriented associative holographic memory (T), AO 13: 904
- Parallax based determination of fringe localization in holographic interferometry (A), JOSA 68: 1440
- Parallel matched filtering: minimization of the volume effect (T) (L), AO 15: 2632
- Particle size analysis using computer-synthesized holograms (E), AO 13: 245
- Particle velocity distribution measurement by holography (ET), AO 18: 3156
- Pattern recognizing apparatus (P), AO 15: 585
- Performance characteristics of a holographic laser beam deflector (A), JOSA 66: 385
- Performance of a holographic and shearing interferometer (A), JOSA 68: 1416
- Performing holographic interferometry (P), AO 15: 584
- Phase conjugate optics and real time holography (A), JOSA 69: 1475
- Phase-conjugate wavefront generation via real-time holography in Bi<sub>12</sub>SiO<sub>20</sub> crystals (E), OL 4: 21
- Phase holograms and the action of bleaching (T) (L), AO 16: 1800
- Phase holograms and the action of bleaching: comments (TE) (L), AO 16: 1802
- Phase retrieval and the polarization identity (T), OL 2: 120
- Phase-shift double-exposure holographic interferometry (A), JOSA 65: 1186
- Phase shifter for hologram recording (P), AO 18: 3501
- Photochromic salicylideneaniline as storage medium for interferometry and high speed recording (E), AO 13: 861
- Photodielectric polymer for holographic recording (E), AO 16: 427
- Photopolymer material for holography (E), AO 14: 593
- Physical model of the diffractive mechanism in SHG (A), JOSA 69: 1415
- Piecewise interferometric generation of precision gratings (TE), AO 16: 555
- Plastic recording media for holography at 10.6  $\mu$ m (E), AO 16: 1876
- PLZT matrix-type block data composers (E), AO 13: 347
- Polarization properties of volume holograms in Bi<sub>12</sub>SiO<sub>20</sub> crystals and applications (ET) (L), AO 17: 1851



- Polarization reference imaging systems. 2: Computer simulation studies (T), AO 15: 1411
- Position sensing in video disk read-out (A), JOSA 66: 1062
- Practical improvements of writing and reading algorithm in computer-generated polarization holography (TE), AO 17: 922
- Practical limitations of transmission holography in particle analysis (A), JOSA 66: 384
- Principal rays and conjugate equations in holography (A), JOSA 65: 1223
- Principles of broad-band coherent imaging (T), JOSA 67: 1015
- Principles of Holography. By Howard M. Smith (B), Reviewed by Condell, W. J., Jr., AO 15: 1891
- Principles of Holography, 2nd Edition. By Howard M. Smith (B), Reviewed by Wyant, James C., JOSA 66: 396
- Problem of defocusing in speckle photography, its connection to hologram interferometry, and its solutions (T), JOSA 66: 1267
- Procede de mesure interferometrique utilisant le speckle et son application a l'instrumentation petroliere (ET), AO 16: 1754
- Production of semiconductor modules by a photo-resist technique with holographic projection of etching patterns (P), AO 13: 7A26
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- Progress in Optics, Vol. 16. Edited by Emil Wolf (B), Reviewed by Hawkes, P. W., AO 18: A180
- Progress in Optics, Vol. 15. Edited by Emil Wolf (B), Reviewed by Young, Matt, JOSA 69: 371
- Projection matrices in hologram interferometry (T), JOSA 69: 1705
- Projection-type white-light reconstruction of 3-D images from a strip-shaped hologram (ET), AO 14: 3078
- Properties and manufacture of blazed holographic gratings (A), JOSA 69: 1427
- Properties of (Se,S)-based chalcogenide glass films, and an application to a holographic supermicrofiche (E), AO 14: 3073
- Proposed mapping of ultrasonic fields with conventional light diffraction (TE), JOSA 65: 682
- Pseudocolor encoding of holographic imaging (ET), OL 3: 57
- Pseudocolor encoding of holographic images using a single wavelength (ET), AO 17: 2532
- Pulse clipping for holographic interferometry (E) (L), AO 15: 23
- Pulsed HF laser holographic interferometry (E), AO 14: 628
- Pulsed holographic recording in ferroelectric crystals (A), JOSA 64: 1394
- Pulsed infrared holography on wax films (A), JOSA 68: 1442
- Pulsed IR holography on Takiwax films (E), AO 17: 3619
- Pulsed sandwich hologram interferometry (A), JOSA 67: 1433
- Pulsed sandwich holography (E), AO 16: 1727
- Pulsed sandwich holography. 2: Practical application (ET), AO 17: 187
- Pulse holography of uniformly moving objects (T), AO 14: 602
- Pulse modulation effect on velocity fringes (T) (L), AO 14: 1061
- Pump-induced optical distortions in disk amplifier modules: holographic and interferometric measurements (E), AO 14: 3057
- Quadruple-exposure technique in stroboscopic holographic interferometry (E) (L), AO 13: 2468
- Quality control of small mechanical pieces using optical correlation techniques (ET), AO 15: 516
- Quasi-Fourier transform of an object from a Fresnel hologram (TE) (L), AO 18: 950
- Rainbow holography without an aperture limiting slit (A), JOSA 69: 1403
- Random phase plate for Fourier transform holography (P), AO 15: 831
- Ray tracing through holographic gratings (T), JOSA 64: 1037
- Reading and optical erasure of holograms stored by the photorefractive effect in lithium niobate, AO 17: 2773
- Real-time coherent object edge reconstruction with  $\text{Bi}_{12}\text{SiO}_{20}$  crystals (E) (L), AO 17: 2671
- Real-time holographic interferometry: a system (E), AO 15: 729
- Real-time holographic motion picture camera capable of recording front surface detail from a random velocity vector: comments (T) (L), AO 13: 1551
- Real-time holographic motion picture camera capable of recording front surface detail from a random velocity vector (errata), AO 13: 1771
- Real-time holographic motion picture camera capable of recording front surface detail from a random velocity vector: comments (T) (L), AO 13: 2473
- Real-time infrared holography using oil films as recording media (A), JOSA 67: 1434
- Real time moving scene holographic camera system (P), AO 13: 2959
- Real time superresolution by means of an ultrasonic light diffractor and TV system (E), AO 13: 1318
- Real-time superresolution optical system using multiple lasers and a TV system (ET) (L), AO 15: 851
- Real time system (P), AO 15: 583
- Recent Advances in Optical Physics; Proceedings of 1975-ICO-10 Prague. Edited by Bedrich Havelka and Jan Blabka (B), Reviewed by Harris, Franklin S., Jr., AO 16: 2778
- Reconstructed images from volume holograms in the Fraunhofer approximation: analysis by a new spherical-wave expansion (TE), JOSA 66: 564
- Reconstructing holograms using a reflected undiffracted beam as a reconstruction beam (P), AO 16: 12
- Reconstruction errors in computer generated binary holograms: a comparative study (TE), AO 14: 2252
- Reconstruction fidelity from volume holograms of finite width and variable index modulation (T), JOSA 69: 496
- Reconstruction of a Fraunhofer hologram recorded near the focal plane of a transforming lens (T), AO 18: 1436
- Reconstruction of inhomogeneous scattering objects from holograms (E), AO 13: 162
- Recording and reading synthetic holograms (P), AO 18: A113
- Recording and reconstruction of an object's wave state of polarization by a volume hologram (T), AO 18: 3633
- Recording and reproducing picture images on a disk (P), AO 16: 11
- Recording a phase hologram having reduced intermodulation distortion (P), AO 17: 2261
- Recording on photochromic lithium niobate (P), AO 15: 582
- Recording system for large objects (P), AO 13: 2959
- Recording the phase distribution of an object wave stored in a hologram (P), AO 15: 2609
- Recording unidimensional holograms with reduced positional sensitivity during readout (P), AO 16: 799
- Recording with reduced speckle noise (P), AO 16: 12
- Reduction of quantization noise in kinoforms and computer-generated holograms (A), JOSA 64: 1395
- Reduction of the number of samples in computer holograms for image processing (T) (L), AO 13: 718
- Redundant hologram recording method employing temporal information signal (P), AO 18: 3501
- Reflection holographic filters for compacting optical processors (E), AO 13: 1019
- Refractive-index profile and physical process determination in thick gratings in electrooptic crystals (TE), AO 15: 1947
- Refractive-index profiles and arbitrary-order diffraction efficiencies of lithium niobate hologram gratings (A), JOSA 65: 1220
- Relative phase shift of images reconstructed by phase and amplitude holograms (E) (L), AO 14: 273
- Removal of fringes caused by window irregularities from holographic interferograms (A), JOSA 68: 1389
- Representations of space-variant optical systems using volume holograms (TE), AO 14: 2438
- Resolution of a quasi-Fourier-transform hologram (A), JOSA 68: 1444
- Resolving power in holographic Fourier-transform spectroscopy and the effects of nonlinear film response (T), JOSA 66: 761
- Review of organic holographic recording media (A), JOSA 66: 1084
- Rotating wedge spatial filter (E) (L), AO 17: 163
- Safelight for Agfa 10E75 and 8E75 plates (L), AO 17: 1846
- Sandwich hologram interferometry (A), JOSA 64: 552
- Sandwich hologram interferometry: a new dimension in holographic comparison (ET), AO 13: 2019
- Sandwich hologram interferometry. 2: Some practical calculations (TE), AO 14: 981
- Sandwich hologram interferometry. 3: Contouring (TE), AO 15: 200
- Sandwich hologram interferometry. 4: Holographic studies of two milling machines (E), AO 16: 2521
- Sandwich hologram interferometry. 5: Measurement of in-plane displacement and compensation for rigid body motion (ET), AO 18: 2870
- Sandwich holography for storing information interferometrically with a high degree of security (E), AO 18: 2017
- Scan modifications for two-dimensional holographic scanners (A), JOSA 68: 1443
- Scanned holography by sector scanning (P), AO 16: 11
- Scattering phenomena in volume holograms with strong coupling (ET), AO 17: 116
- Seismic system (P), AO 13: 1727
- Self-holograms of laser-drilled holes in heavy hydrocarbons (A), JOSA 67: 1443
- Self-holograms of laser-induced surface depressions in heavy hydrocarbons (ET), AO 17: 2381
- Sensitivity improvement by step-biased holographic interferometry (A), JOSA 65: 1186
- Sequential information retrieval from holograms (E), AO 15: 2698
- Shearing interferometry in polar coordinates (TE), JOSA 64: 1606
- Shifted reference holographic interferometry: comment on (L), AO 13: 1280
- Short exposure and biasing holography (E) (L), AO 16: 811
- Short interval holographic comparison (P), AO 13: 7A26
- Signal-to-noise ratio and smallest detectable vibration amplitude in frequency-translated holography: an analysis (E), AO 15: 2690
- Simple holographic permanent memory system (T), AO 17: 3722
- Simplified production of spatial inverse filters (TE), OL 3: 247
- Simulation of synthetic aperture radar data film using holographic techniques (ET) (L), AO 17: 987
- Simultaneous detection of direction of motion and fringe order determination in holographic displacement measurement (T) (L), AO 15: 2961
- Simultaneous tackling of the problems of temporal coherence length and speckle in holography (A), JOSA 64: 1382
- Single-emulsion phase and amplitude transparency (A), JOSA 64: 563
- Single wall domain matrix for optical data processing system (P), AO 17: 1475
- Space charge fields: a fringe technique for observing such fields during hologram writing in  $\text{LiNbO}_3$  (E), AO 15: 1258
- Space-invariant multiple-grating interferometers in holography (T), JOSA 69: 689
- Space-variant processing using temporal holography (A), JOSA 69: 1467
- Spatial-diffusion measurements in impurity-doped solids by degenerate four-wave mixing (E), OL 4: 124
- Spatial filtered pseudocolor holographic imaging (A), JOSA 68: 1415
- Speckle and holography applied to contouring (A), JOSA 67: 1389
- Speckle holography measurements of the stars Zeta Cancri and ADS 3358 (E) (L), AO 17: 2700
- Speckle-noise simulation of Fourier-transform holography with random phase sequences (T) (L), JOSA 65: 856
- Speckle reduction by spatial sampling (T) (L), AO 13: 1000
- Speckle reduction in holography (P), AO 15: 2700
- Speckle reduction in holography with a spatially incoherent source (E), AO 14: 1093
- Speckle-suppressed holography with spatially incoherent source (TE), JOSA 64: 1507



- Spectral sensitivity improvement of a commercial negative photoresist: Kodak microresist 747 (E) (L), AO 18: 1135
- Spectrometer (P), AO 15: 582
- Split hologram system (P), AO 18: A114
- Stacked optical memories (T), AO 13: 341
- Statistical analysis of errors in holographic interferometry (A), JOSA 66: 1085
- Statistical analysis of errors in holographic interferometry (T), AO 17: 2198
- Stereoscopic approach to 3-D display using computer-generated holograms (T), AO 15: 2722
- Stereoscopic approach to 3-D display using computer-generated holograms: comment (TE) (L), AO 16: 2034
- Storage density limitation of a volume-type hologram memory: theory (TE), AO 15: 550
- Straight-line optical scanner using rotating holograms (P), AO 18: 3804
- Strain components obtained from contrast measurement of holographic fringe patterns (ET), AO 16: 2543
- Study of boundary waves at 6328 by means of holography (A), JOSA 65: 1167
- Submillisecond development of thermoplastic recordings (E) (L), AO 13: 2471
- Superresolution microscope using electrical superposition of holograms (E), AO 13: 406
- Suppression of intermodulation distortion in holography using multiple-reference beams (A), JOSA 69: 1416
- Surface-plasma-wave holography in dielectric and photoresist layers (A), JOSA 64: 563
- Surface roughness measurement by two wavelength holographic interferometry (T), AO 13: 1085
- Synthesis of holography and speckle photography to measure 3-D displacements (E) (L), AO 13: 219
- Synthesis of two-dimensional complex arrays with good correlation and other properties (A), JOSA 64: 1395
- Synthetic interferometric imaging technique for moving objects (TE), AO 15: 1923
- Synthetic modal interferometric laser imaging (TE), AO 16: 2441
- Synthetic real-imaginary hologram pair (ET) (L), AO 13: 717
- System for real-time holographic interferometry (A), JOSA 64: 1382
- System for use in aircraft to display symbols and sensor video (P), AO 16: 12
- System of selection and display of graphical data by holography (P), AO 14: 1041
- Systems (P), AO 15: 582
- Systems for constructing small Fresnel holograms (P), AO 15: 583
- Systems using partially overlapping hologram record (P), AO 16: 12
- Technique for measuring refractive index changes in photochromic materials (TE), AO 14: 1100
- Techniques for making cylindrical holograms for target recognition training (A), JOSA 66: 1062
- Techniques for pattern recognition (P), AO 15: 584
- Techniques of holographic displacement measurement: an experimental comparison (ET), AO 17: 1748
- Techniques of holographic displacement measurement: an experimental comparison (errata), AO 17: 2873
- Television based Fourier holographic system (ET), AO 13: 2268
- Television based Fourier holographic system: comments (T) (L), AO 14: 1763
- Temporal coherence length and speckle: a simultaneous approach to those problems in holography (E) (L), AO 14: 2051
- Temporal coherence length and speckle: a simultaneous approach to those problems in holography; authors' reply to comment (E) (L), AO 15: 1680
- Temporal coherence length and speckle: a simultaneous approach to those problems in holography; comment (E) (L), AO 15: 1680
- Testing and inspecting lens by holographic means (P), AO 18: 3757
- Testing of commercial aspheres with computer-generated holography (A), JOSA 65: 1216
- Testing of spherical surfaces by holographic interference (P), AO 15: 831
- Testing the adhesion of thin films using real-time holographic interferometry: a simple method (E) (L), AO 17: 2670
- Testing the trueness of circular surfaces: a simple holographic method (ET), AO 18: 627
- Thermography in microwave holography (E) (L), AO 14: 1487
- Thermoplastic and elastomeric holographic recording materials (A), JOSA 64: 1389
- Thermoplastic memory system (P), AO 15: 583
- Thin lens analogy for reflection holographic optical elements (A), JOSA 69: 1402
- Three-dimensional color information storage on 35 mm roll film by composite holography (A), JOSA 64: 1396
- Three-dimensional imaging from a unidirectional hologram: wide-viewing-zone projection type (ET), AO 15: 1023
- Three dimensional large screen movie techniques employing holography and a cylindrical optical system (P), AO 13: 2A26
- Time average holographic interferometry with photoconductive electrooptic  $\text{Bi}_{12}\text{SiO}_{20}$  crystals (E) (L), AO 16: 2796
- Time-domain-holography modulation and optical fiber communication (A), JOSA 68: 1384
- Time evolution and refractive-index profiles of phase holograms in electro-optical crystals (A), JOSA 66: 1084
- Transmission holograms (P), AO 15: 1669
- Two-dimensional coherent space-variant processing using temporal holography: processor theory (T), AO 18: 3670
- Two-dimensional theory of volume holograms with electric polarization in the plane of the grating (T), JOSA 69: 491
- Two-hologram interferometry: a simplified sandwich technique (E) (L), AO 15: 848
- Two-reference-beam holographic interferometry (TE), JOSA 66: 23
- Ultrasonic Imaging and Holography: Medical, Sonar and Optical Applications. Edited by G. W. Stroke, W. S. Kock, *et al.* (B), Reviewed by Hildebrand, B. P., AO 13: 2957
- Unconventional interferometric realizations based on holographic nonlinear effects (TE), AO 16: 1400
- Unconventional zone-plate designs for pseudoholography (A), JOSA 68: 1437
- Unified approach for time-average holography of separable motions (A), JOSA 69: 1409
- Unique properties of SBN and their use in a layered optical memory (E), AO 13: 913
- Use of fringe vectors in hologram interferometry to determine fringe localization (T) (L), JOSA 66: 626
- Use of the TEM<sub>10</sub> laser mode for IR holography at 10.6  $\mu\text{m}$  (E) (L), AO 17: 3864
- Using light of limited coherence (P), AO 15: 831
- Velocity and depth contours with a mode-locked pulse (T) (L), AO 15: 1128
- Vertically diverged holographic image information with zero-order diffraction suppression (P), AO 15: 831
- Vibration phase mapping using electronic speckle pattern interferometry (E), AO 15: 2701
- Video apparatus for observing object changes using real time holographic interferometry (P), AO 14: A78
- Virtual holography: a method of source and channel encoding and decoding of information (TE), AO 18: 2543
- Visualization of light propagation (A), JOSA 69: 1402
- Volume holograms constructed from computer-generated masks (ET), AO 17: 2537
- Volume holograms in photochromic materials (T), AO 14: 2456
- Volume holographic recording characteristics of an organic medium (E), AO 15: 1261
- Water pollution monitoring using matched spatial filters (E), AO 15: 510
- Wavefront reconstruction (P), AO 15: 583
- Wavelength dispersion in a composite volume grating (T) (L), AO 15: 1679
- White light hologram technique (ET) (L), AO 17: 3187
- White light holographic portraits (still or animated) (E) (L), AO 17: 3698
- White light optical processing and holography, AO 16: 2565
- Wide-angle holographic lens for a display system (A), JOSA 64: 552
- Wideband holographic recorder (E), AO 13: 832
- Hydrogen**
- Brillouin spectrum and elastic constants of parahydrogen (A), JOSA 67: 1409
- Continued-factorization method for optical dispersion (T), JOSA 64: 1582
- Electron impact excitation of the  $G^1\Sigma_g^+$  state of  $\text{H}_2$  (E), JOSA 67: 1641
- High-resolution cw stimulated Raman spectroscopy in molecular hydrogen (E), OL 2: 91
- Hydrogen-deuterium separation using cw  $\text{CO}_2$  laser-induced vibrational photochemistry of methane (A), JOSA 68: 1641
- Hydrogen plasma diagnostics by multiphoton optogalvanic spectroscopy (A), JOSA 68: 1445
- Laser detection and excitation of atomic hydrogen (A), JOSA 68: 1412
- Lyman-alpha radiation source with high spectral purity (E) (L), AO 16: 2634
- Lyman-alpha radiation source with high spectral purity (errata), AO 17: 1853
- Lyman-band fluorescence intensity vs  $\text{H}_2$  pressure (E), JOSA 65: 320
- Measurement of weak IR absorption with a tunable laser: the hydrogen  $S_2(1)$  line strength (E), AO 14: 1993
- Photolytic separation of D from H in cryogenic solutions of formaldehyde (A), JOSA 68: 1643
- Pressure and plasma shift and broadening of resolved Balmer- $\alpha$  fine-structure lines in hydrogen (A), JOSA 68: 1633
- Production of the stimulated Raman lines in  $\text{H}_2$  gas with a focused laser beam (ET), JOSA 64: 202
- Refractivity and dispersion of hydrogen in the visible and near infrared (E), JOSA 67: 1550
- Rotational and predissociation lifetimes of the  $A^2\Sigma^+$  state of OD (E), JOSA 65: 1368
- Spectroradiometric calibration techniques in the far ultraviolet: a stable emission source for the Lyman bands of molecular hydrogen (E), AO 14: 2133
- Stark structure on hydrogen spectra in Ormak plasma (A), JOSA 65: 1187
- Waveguide  $\text{H}_2$  Raman laser (E) (L), AO 15: 2005
- Ice**
- See also Atmospheric optics, Meteorology
- Spectrophotometers for the measurement of light in polar ice and snow (E), AO 13: 1652
- Temperature dependence and cross sections of some Stokes and anti-Stokes Raman lines in ice Ih (E), AO 14: 2116
- Theory of the scattering-phase-matrix determination for ice crystals (T), JOSA 65: 159
- Ultraviolet optical constants of water and ammonia ices (ET), JOSA 65: 919
- Illumination**
- See also Light, Lighting
- CIE report on calculation and measurement of luminance and illuminance in road lighting (N), AO 15: 2417
- CIE report on calculation and measurement of luminance and illuminance in road lighting (N), JOSA 66: 1142
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- Computer synthesized filament images from reflectors and through lens elements for lamp design and evaluation (TE), AO 14: 2384
- Differential phase contrast with an extended illumination source (T), JOSA 66: 813
- Glare and uniformity in road lighting installations (N), AO 15: 3098
- Illuminating systems for terrain models for flight simulators (P), AO 14: A52
- Illumination optics topical meeting, digest of technical papers (N), AO 14: 884
- International Commission on Illumination (CIE), publications (N), JOSA 64: 576
- Lighting with concentrated beams of sunlight (A), JOSA 66: 1069
- Optical Design of Reflectors. William B. Elmer (B), Reviewed by Kingslake, Rudolf, JOSA 68: 552
- Problem of ideal flux concentrators (T), JOSA 68: 531
- Proceedings of the International Commission on Illumination (CIE) 18th available (N), AO 15: 2510
- Reflective optics system for uniform spherical illumination (T), AO 14: 985



- Reflectors for obtaining prescribed illumination distributions: I. Point sources (A), JOSA 64: 1357
- Reflectors for obtaining prescribed illumination distributions: II. Line sources (A), JOSA 64: 1357
- Specular aspheric surface to obtain a specified irradiance from discrete or continuous line source radiation: design (T), AO 14: 1279
- Transfer relation between object transmittance and image irradiance (A), JOSA 64: 1398
- Uniform illumination of spherical laser fusion targets (T), AO 16: 2764

## Image compensation

- Efficient wavefront sensor for compensated imaging (A), JOSA 65: 1211
- Image stabilizing optical system (P), AO 16: 13
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## Image converters

- Coherent-optical image converter (P), AO 14: 1041
- Deep trap, laser activated image converting system (P), AO 15: 10
- Dynamics of thin-film thermal detectors in infrared imaging systems. 1: Basic equations and Fourier analysis (T), AO 13: 1455
- Dynamics of thin-film thermal detectors in infrared imaging systems. 2: Imaging of fixed and moving objects (T), AO 14: 1177
- Fiber optic sheet formation by selective photopolymerization (E), AO 17: 646
- Field-enhancement of photoemission from cesium telluride (ET), AO 17: 1789
- Gamma ray sensors (P), AO 15: 1672
- Infrared responsive camera tube (P), AO 15: 2947
- Infrared to visible (P), AO 13: 1976
- Invisible to visible light image converter (P), AO 15: 2944
- Liquid crystal image converter system responsive to ionizing radiation (P), AO 15: 2608
- Liquid crystal imaging of radiograms (P), AO 15: 2609
- Liquid crystal imaging system (P), AO 16: 2788
- Liquid crystalline image converter (P), AO 15: 2609
- Mesh-based semitransparent photocathodes (E), AO 14: 1667
- Modulation transfer function of proximity-focused image tube in polychromatic light (T), AO 14: 509
- Performance testing of electrostatically focused UV-visible image converters with deflection capability (E), AO 14: 2668
- Scanner for color images with a one-color laser (E), AO 17: 4003
- Thermal imaging device (P), AO 16: 13
- Thermal imaging system with redundant object space scanning (P), AO 15: 2945

## Image detectors

- Advances in Image Pickup and Display, Volume 2. Edited by B. Kazan (B), Reviewed by Biberman, Lucien M., JOSA 66: 868
- Arrays for infrared image detection (P), AO 16: 2027
- Charge-coupled linear image sensing device (P), AO 16: 2027
- Device (P), AO 16: 2026
- Infrared imaging with surface wave readout (P), AO 17: 1474
- Nanosecond photography at 10.6  $\mu\text{m}$  using silver halide film (E), AO 18: 2422
- Performance of a silicon vidicon at low signal levels (E), AO 15: 3105
- Self-scanned digicon: a digital image tube for astronomical spectroscopy (E), AO 14: 1182
- Single electron recording by self-scanned diode arrays (E), AO 14: 691
- SIT vidicon with magnetic intensifier for astronomical use (E), AO 14: 1429
- Slow-scan television system (E), AO 15: 2264
- Solar magnetograph employing integrated diode arrays (E), AO 15: 40

## Image enhancement

- Adaptive binarization using a hybrid image processing system (ET), AO 17: 2655
- Application of enhanced space-autocorrelation function to the analysis of random scenes (A), JOSA 64: 560

- Comparison of "noise cheating" and Wiener filtering (A), JOSA 65: 1203
- Constant variance enhancement: a digital processing technique (ET), AO 16: 1268
- Current vision models and their effects on enhancement (A), JOSA 66: 173
- Detection of low-contrast images in film-grain noise (TE), AO 17: 2883
- Image forming optical system wherein defocus images are improved (P), AO 14: 1241
- Image processing by nutation: an analysis (T), AO 15: 1573
- Information leakage through a passive optical channel (A), JOSA 64: 560
- Moire inspection of multicomponent assemblies (E), AO 18: 4046
- Noise cheating image enhancement (A), JOSA 64: 1378
- Noise-free contrast improvement with a low frequency polarizing filter: a practical evaluation (E), AO 16: 1513
- Optical contrast enhancement system (P), AO 14: 1241
- Optical versus electronic enhancement of remote sensing imagery (A), JOSA 66: 171
- Partially transparent plates for increased image contrast (P), AO 14: 1241
- Passive and/or active imaging system (P), AO 16: 13
- Photographic image intensification by autoradiography (E), AO 15: 2860
- Photographic nucleonics: a record of many lost opportunities in the history of science (R), AO 17: 1683
- Preferential enhancement of edges via the median window restoring algorithm (A), JOSA 66: 168
- Pseudo color densitometer analysis—the Apollo 17/Saturn V exhaust plume (E) (cover, Oct), AO 13: 2197
- Real-time coherent optical edge enhancement (E) (L), AO 17: 161
- Real-time image enhancement techniques (A), JOSA 66: 171
- Real-time recognition of three-dimensional microscopic objects (A), JOSA 67: 1382
- Removal of seeing and instrumental blur effects from astronomical scanner observations (TE), AO 13: 2947
- Scanning and restoration of spectral data in the presence of noise (T), JOSA 64: 335
- Superresolution imaging system (P), AO 18: 4016

## Image evaluation

- Aliasing artifacts in computerized tomography, AO 18: 3704
- Alternative approach in decision theory as applied to the resolution of two point images (T) (L), JOSA 69: 910
- Analysis of image reproduction using a linear line screen (T), OL 4: 408
- Apparatus for the determination of focused spot size and structure (P), AO 18: 3872
- Characterization of the imaging properties of x-ray focal spots (E), AO 15: 3099
- Computation of rms spot radii by ray tracing (T), AO 13: 2585
- Computer controlled image sensor and its application (ET), AO 18: 485
- Contrast effect on imagery power spectra (E), AO 18: 2147
- Degradation of an image due to Gaussian motion (T), AO 17: 3329
- Dependence of incoherent system response on object contrast (T), AO 13: 1839
- Derivation of the MTF for an ideal optical system from Struve's equation for the line spread function: comments on (T) (L), AO 13: 734
- Device for testing structures (P), AO 18: 3966
- Effects of target contrast and background upon tribar threshold and resolution (T), AO 15: 504
- Estimation of angular positions of actively illuminated objects from their images (A), JOSA 65: 1204
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- Image complex amplitude from image and pupil irradiances (A), JOSA 65: 1203
- Image evaluation of the light-enhanced vaporization photolithographic process in  $\text{As}_2\text{S}_3$  thin films (E), OL 2: 51

- Image quality rating system (P), AO 14: 1458
- Included power for obscured circular pupils (T), AO 17: 964
- Integrated measure of image quality for electronic displays (A), JOSA 67: 1411
- Lens design merit functions: rms image spot size and rms optical path difference (E), AO 17: 715
- Line-profile measurement of xerographic copy (ET), AO 17: 2043
- Noise and other artifacts in OTF derived from image scanning (ET), AO 14: 513
- Noise on nonimage areas in electrophotography (TE), AO 13: 1053
- Optical window interferograms: a simple method for their evaluation (ET), AO 16: 2134
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- Production of color coded equidensities using nonlinear filtering (E), AO 16: 1951
- Resolution for a general two-bar target (T) (L), AO 15: 1911
- Scene power spectra: the movement as an image quality merit factor (ET), AO 15: 2846
- Selected Readings in Image Evaluation. Edited by Rodney Shaw (B), Reviewed by Silverman, Shirleigh, AO 16: 2339
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- Statistics of stellar speckle patterns (E), AO 17: 3779
- Suprathreshold information processing in the visual system: prediction of line darkness as a function of width from a preliminary visual model (A), JOSA 67: 1411
- Undersampling errors in measuring the moments of images aberrated by turbulence (T), AO 18: 3064
- Wavefront-error evaluation by mathematical analysis of experimental Foucault-test data (E), AO 14: 2286

## Image formation

- Aberration expansion and evaluation of the quasi-Gaussian beam by a set of orthogonal functions (T), JOSA 64: 850
- Aberrations in curved graded-index fibers (T), JOSA 69: 300
- Achromatic imaging of distant objects in selected wavelength bands with plane and concave holographic gratings (TE), AO 17: 2934
- Alternative approach in decision theory as applied to the resolution of two point images (T) (L), JOSA 69: 910
- Analysis of image reproduction using a linear line screen (T), OL 4: 408
- Analytic expression of the Fourier spectrum of half-tone images (A), JOSA 64: 1401
- Angular spectrum and coherent imaging (TE), JOSA 64: 1503
- Annular apertures with high obstruction (T) (L), AO 13: 22
- Annular apertures with high obstruction: comment (T) (L), AO 13: 2774
- Annular apertures with high obstruction: reply to comment (T) (L), AO 13: 2774
- Apparatus for forming positive electrostatic image (P), AO 13: 220
- Augmented laser scan equations (T) (L), AO 17: 1161
- Calculating the reflectance map (T), AO 18: 1770
- Caustic surfaces and the structure of the geometrical image (T), JOSA 66: 795
- Coded aperture imaging (L), AO 13: 5
- Coherent imaging in presence of defect of focus (T) (L), JOSA 64: 1344
- Computations of imagery in partially coherent light (A), JOSA 67: 1367
- Defocused image of a periodic complex object in an optical system under partially coherent illumination (T), JOSA 66: 932
- Degrees of freedom of an optical image in coherent illumination, in the presence of aberrations (T), JOSA 65: 495
- Degrees of freedom of images from point-like-element pupils (T), JOSA 64: 453
- Diffraction images of truncated triangular wave objects formed by a polarizing microscope with crossed polarizers (T) (L), AO 13: 1768



Diffusion model for the adjacency effect in viscous development (TE), JOSA 64: 667

Dynamic latent-image formation in xeroradiography (A), JOSA 65: 1189

Electronic imaging and scanning system (T) (L), AO 16: 550

Energy distribution in the PSF for an arbitrary passband (T) (L), AO 13: 1769

Enhancement of multiple images by sampling spatial filtering using additional auxiliary sampling (TE), JOSA 65: 1443

Extension of lens-system model of holography (T), JOSA 64: 310

Formation of images from projections: Radon and Abel transforms (T), JOSA 64: 1215

Fourier spectrum of halftone images (TE), JOSA 65: 716

Fraunhofer hologram for image multiplication by amplitude sampling spatial filtering (ET), AO 15: 1639

Geometrical optics of holograms (T), JOSA 65: 903

Geometrical transformations in optics (TE), JOSA 64: 1092

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Holographic image formation using phase plates with incoherent imaging property (TE), AO 15: 1787

Holographic real image of a point source (T) (L), JOSA 68: 423

Image blur for rainbow holograms (T), OL 1: 130

Image formation by inversion of scattered field data: experiments and computational simulation (ET), AO 18: 2427

Image formation mechanism in the  $\gamma$ -ruticon (T), AO 15: 1775

Image formation of partially coherent diffuse object (T), JOSA 64: 919

Image formation using a mask of periodic structure (A), JOSA 66: 1111

Image forming optical system wherein defocus images are improved (P), AO 14: 1241

Image of a sinusoidal complex object in a partially coherent optical system (T), JOSA 65: 892

Image quality in an optical system operating in partially coherent light: effect of parabolic motion (T), AO 15: 2233

Image speckle patterns of weak diffusers (T), JOSA 65: 769

Imaging analysis of mirrors from normal to grazing incidence (T), JOSA 66: 938

Imaging extended objects with a Fresnel-zone-plate aperture (T), JOSA 64: 134

Imaging in the presence of random wave aberrations (T), JOSA 69: 717

Imaging of extended objects through a turbulent atmosphere (T), AO 13: 431

Imaging performance of annular apertures (TE), AO 13: 1820

Imaging performance of annular apertures. 2: Line spread functions (TE), AO 17: 1075

Imaging performance of annular apertures. 3: Apodization and modulation transfer functions (T), AO 18: 3770

Imaging properties of a conic axicon (T) (L), AO 13: 1762

Imaging properties of annular lenses (T), AO 18: 3764

Imaging properties of optical arrays with random perturbations (A), JOSA 68: 1406

Imaging through scattering media with an achromatic interferometer (TE), OL 4: 118

Imaging with noncentrally obscured circular pupils (T), JOSA 68: 742

Imaging with obscured pupils (T), OL 1: 128

Incoherent imaging and source size: a Fourier optics approach (A), JOSA 67: 1423

Incoherent optical processing of complex data (T) (L), AO 16: 261

Integral equations for incoherent imagery (T), JOSA 64: 1237

Interferometry with schlieren microscopy (ET), AO 16: 470

Inverse sampling spatial filtering as a method of image multiplication (T) (L), AO 16: 24

Laser speckle reduction: equivalence of the moving aperture method and incoherent spatial filtering (TE), AO 16: 685

Light distribution in optical waveguides (TE), JOSA 68: 310

Linear Systems, Fourier Transforms, and Optics. By Jack D. Gaskill (B). Reviewed by Farmer, W. Michael, AO 18: 1128

Marechal intensity criteria modified for circular apertures with nonuniform intensity transmission: Dini series approach (T), OL 2: 124

Maximum-likelihood restoration of nonstationary imagery (T), JOSA 64: 17

Method for the calculation of partially coherent imagery (T), AO 17: 2747

Mirror-image kinematics (T) (L), JOSA 65: 1517

Modulation contrast microscope (TE), AO 14: 1169

Multiple images on a single plate formed through diffraction gratings (P), AO 13: 6A26

Multiple imaging by a sampling spatial filter (T) (L), AO 14: 2343

Multiple imaging with thin phase filters: a signal processing approach (TE), JOSA 68: 733

Multiplying lensless Fourier holograms recorded using a multibeam reference light field (ET) (L), AO 15: 853

Nomenclature of an image forming system (L), AO 14: 2319

Optical images of atoms in a crystal (N), AO 16: 1403

Optimization of telescope images (T) (L), JOSA 65: 858

Optimum adaptive imaging through atmospheric turbulence (T), AO 13: 2609

Optimum Fourier-transform division filters with magnitude constraint (T), JOSA 64: 1227

Parallel image transmission by a single optical fiber (ET), OL 2: 133

Partially transparent plates for increased image contrast (P), AO 14: 1241

Phase zone plates for x rays and the extreme UV (T), JOSA 64: 301

Planimetric analysis of color images using a vector least-squares algorithm (A), JOSA 64: 561

Pupil filters for moderate superresolution (T), AO 15: 3089

Quantum noise in Fresnel zone plate imaging (T), AO 13: 1100

Ray-tracing the convex curved crystal x-ray spectrograph (TE), AO 18: 374

Real-time correction of atmospherically degraded telescope images through image sharpening (T), JOSA 64: 1200

Reconstructions of images of partially coherent objects from samples of mutual intensity (TE), JOSA 67: 796

Resolution of self-images in planar optical waveguides (T), JOSA 68: 583

Retrofocus-type lens system (P), AO 16: 13

Sampling in imaging systems, JOSA 65: 700

Self-imaging with an optical tunnel for image formation (P), AO 14: 1044

Spatially multiplexed infrared camera (TE), JOSA 65: 707

Spatial multiplex tomography (A), JOSA 65: 1188

Speckle noise reduction by random phase shifters (ET), AO 14: 660

Speckle-suppressed holography with spatially incoherent source (TE), JOSA 64: 1507

Study of laser speckles in the presence of spherical aberration (E), JOSA 69: 877

Superresolution in incoherent imaging system (T) (L), JOSA 65: 354

Synthetic-aperture radar and multiplex spectroscopy (T) (L), JOSA 64: 402

Synthetic-aperture radar and multiplex spectroscopy (L), JOSA 64: 1343

Temporal- and spatial-intensity-interferometer imaging through a random medium (ET), JOSA 65: 760

Three-dimensional imager (E), AO 16: 774

Two-dimensional monochromatic x-ray imaging of laser-produced plasmas (E), OL 4: 126

Two-dimensional nonimaging concentrators with refracting optics (T) (L), JOSA 69: 917

Uniqueness question in the problem of phase retrieval from intensity measurements (T) (L), JOSA 68: 1352

Use of point spread and beam spread functions for analysis of imaging systems in water (TE), JOSA 67: 1105

## Image intensifiers

Annealing procedure for self-scanned diode arrays (E) (L), AO 15: 1909

Comparison between two methods of SNR measurement of image tubes (E) (L), AO 13: 2187

Gain model for microchannel plates (TE), AO 18: 1418

Image intensifiers (P), AO 13: 2440

Image transfer properties of proximity focused image tubes (E), AO 16: 2127

Light amplifier for obtaining intensified light images from photoemissive surface (P), AO 17: 1469

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Magnifier (P), AO 18: A213

Modular biocular eyepiece for thermal image systems (P), AO 15: 1671

Modulation transfer function of a 210-70-mm fiber-optic output x-ray image intensifier tube (E) (L), AO 14: 1484

Night vision system (P), AO 18: 2236

Photoelectron counting with an image intensifier tube and a self-scanned photodiode array (E), AO 15: 3111

Recent advancements in the field of image intensification: the generation 3 wafer tube (TE), AO 18: 2440

## Image processing

Adaptive binarization using a hybrid image processing system (ET), AO 17: 2655

Advances in Image Pickup and Display, Volume 2. Edited by B. Kazan (B). Reviewed by Biberman, Lucien M., JOSA 66: 868

Aliasing and quantization in the efficient display of images (A), JOSA 67: 1416

Aliasing and quantization in the efficient display of images (TE), JOSA 69: 869

Alignment of microcircuit chips using optically smeared images (A), JOSA 68: 1377

Alignment of microcircuit chips using optically smeared images (E), AO 18: 331

Analog image processing in Europe (A), JOSA 66: 170

Analog image processing in Japan (A), JOSA 66: 170

Analysis of halftone dot profile and aliasing in the discrete binary representation of images (T), JOSA 67: 1147

Analysis of image reproduction using a linear line screen (T), OL 4: 408

Analysis of images by Hadamard optical transform (TE), AO 14: 1829

Aperture coding with a rotating slit (A), JOSA 66: 1110

Apodization filtering applied to a bandlimited optical Fourier transformer (ET), AO 15: 690

*A posteriori* focusing of out-of-focus planes in a tomogram (A), JOSA 66: 1110

*A posteriori* method of image restoration (TE), JOSA 69: 280

Application of optimum coding sequences to computerized classical tomography (TE), AO 17: 3133

*A priori* information and the degrees of freedom of noisy images (T), JOSA 67: 71

Artificial stereo images (A), JOSA 66: 1111

Augmented laser scan equations (T) (L), AO 17: 1161

Automatic geometric measurements of single-mode and multimode optical fibers (E), AO 18: 402

Bandlimiting effects in an optical Laplace transform computer (ET), AO 14: 2207

Bandpass channels, zero-crossings, and early visual information processing (T) (L), JOSA 69: 914

Bilinear processing of 1-D signals by use of linear 2-D coherent optical processors (TE), AO 17: 3408

Bounds on errors in reconstructing from undersampled images (T) (L), JOSA 69: 1042

Can a coherent optical filter compensate post-detection spatial blur? (A), JOSA 68: 1375

Characteristics of deterministic phase codes for holography (ET), AO 14: 102

Characteristics of image sampling using phase gratings (A), JOSA 67: 1416

Classification of biological data with an optical-digital processor (A), JOSA 67: 1382

Coded aperture imaging on nonplanar surfaces (A), JOSA 66: 1110

Coded aperture imaging with uniformly redundant arrays (ET), AO 17: 337

Coherent optical analog-to-digital conversion by using a single halftone photograph (A), JOSA 66: 1127



- Coherent optical analog-to-digital conversion using a single halftone photograph (TE), AO 17: 2181
- Coherent optical compensation of post-detection spatial distortion (T), JOSA 69: 1172
- Coherent optical image processing (A), JOSA 66: 168
- Coherent optical simulation of radar imagery (A), JOSA 66: 170
- Color coding of spatial frequencies using incoherent optical processing (E), AO 18: 4206
- Comparison of continuous and discrete mixed-integrator processors (T), JOSA 66: 1295
- Comparison reader for holographic identification cards (P), AO 18: A224
- Computer-aided design of dither signals for discrete binary representation of images (A), JOSA 68: 1376
- Computer-aided design of dither signals for binary display of images (ET), AO 18: 2708
- Computerized tomosynthesis, serioscopy, and matched filtering (A), JOSA 67: 1406
- Computerized tomosynthesis, serioscopy, and coded-scan tomography (ET), AO 17: 175
- Computers and images (A), JOSA 66: 167
- Computer Techniques for Image Processing in Electron Microscopy. By W. O. Saxton (B), Reviewed by Dainty, J. Christopher, JOSA 69: 921
- Constant variance enhancement: a digital processing technique (ET), AO 16: 1268
- Constrained least-squares image restoration: an improved computational scheme (T), AO 17: 2340
- Contrast effect on imagery power spectra (E), AO 18: 2147
- Contrast of time-averaged speckle patterns at a defocused image plane (T), JOSA 69: 558
- Convergence of a spectrum shaping algorithm (T) (L), AO 13: 2470
- Convergence of the van Cittert iterative method of deconvolution (T), JOSA 66: 487
- Cramer-Rao bounds on mensuration errors (TE), AO 15: 1270
- Cross-spectrum error criterion as an image quality measure (T), AO 13: 1460
- Decoding of annular coded-aperture images (A), JOSA 66: 1110
- Depth of convergence of a sharpness index autofocus system (TE), AO 16: 2273
- Detection and estimation in image processing (A), JOSA 68: 1398
- Detection of low-contrast images in film-grain noise (TE), AO 17: 2883
- Deterministic analysis of the maximum entropy image restoration method and of some related methods (T), JOSA 67: 1154
- Developments at JPL in the application of digital image processing techniques to astronomical images (A), JOSA 66: 174
- Diffuser for producing texture masks for image processing (TE), AO 13: 648
- Digital filtering of speckle noise (A), JOSA 68: 1376
- Digital Fourier transforms as means for scanner evaluation (ET), AO 13: 146
- Digital image processing and image synthesis in Japan (A), JOSA 68: 172
- Digital image processing and preprocessing (A), JOSA 65: 1203
- Digital Image Processing. By Rafael C. Gonzalez and Paul Wintz (B), Reviewed by Angel, Edward S., JOSA 68: 1457
- Digital Image Processing. By William K. Pratt (B), Reviewed by Roethling, Paul G., JOSA 69: 801
- Digital Image Processing. By W. K. Pratt (B), Reviewed by Hunt, B. R., AO 17: 3509
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- Digital profile to contour converter and display (ET), AO 15: 2855
- Digital reconstruction of one-dimensional coded-aperture imagery (A), JOSA 67: 1417
- Digital representation of video signals (A), JOSA 66: 167
- Digital solid-state scan-converter with unusual display capabilities (E), AO 14: 1835
- Display devices in image processing, AO 14: 2971
- Edge filters for phase contrast imagery. 1: Theoretical design (T) (L), AO 18: 2355
- Errors in Hadamard spectroscopy or imaging caused by imperfect masks (T), AO 14: 2678
- Estimation of images degraded by film-grain noise (TE), AO 17: 1228
- Estimation of the location of an optical object with photodetectors limited by quantum noise (T), AO 13: 1824
- Extracting signals from a strong continuum in the presence of noise (A), JOSA 66: 1131
- Fast FFT-based algorithm for phase estimation in speckle imaging (TE), AO 18: 2056
- Feedback technique for image processing using incoherent light (A), JOSA 66: 1127
- Fiber laser plate (E), AO 18: 2052
- Film calibration method for analysis of laser light energy distributions (E) (L), AO 16: 2028
- Film-grain noise in holography (T), JOSA 69: 278
- Filtering for image reconstruction from projections (T), JOSA 67: 662
- Four applications of the liquid crystal light valve in optical processing (A), JOSA 68: 1377
- Fourier processing in the object plane (ET), OL 4: 286
- Generalization of the two-dimensional random checkerboard process (T), JOSA 69: 897
- Generalized phase concepts (A), JOSA 65: 1202
- Gyro stabilizer (P), AO 18: 3255
- Halftone images: spatial resolution and tone reproduction (TE), JOSA 68: 416
- Halftone screen techniques for photographic film response shaping with application to optical processing of medical x-ray images (TE), AO 18: 2294
- High efficiency multiple beam gratings (TE), AO 18: 2152
- High fidelity image reproduction by a line halftone screen of linear cell transmittance (A), JOSA 69: 1442
- High-order foci for increased resolution in coded aperture imaging (A), JOSA 67: 1406
- Hologram having expanded viewing area (P), AO 18: A224
- Holographic optics for a matched-filter optical processor (TE), AO 18: 631
- Hybrid image processing in pattern recognition (A), JOSA 69: 1431
- Hybrid optical-digital radiography-based system for lung disease detection (E), AO 16: 2637
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- Image coding (A), JOSA 66: 173
- Image coding with far-field holograms (ET), AO 17: 2768
- Image data-processing system for solar astronomy (R), AO 16: 944
- Image emission platelet laser for optical information processing (E), AO 16: 1272
- Image mensuration by maximum a posteriori probability estimation (TE), JOSA 68: 157
- Image-noise reduction using Stein's procedure (A), JOSA 67: 1416
- Image Processing and Computer-Aided Design in Electron Optics. Edited by P. W. Hawkes (B), Reviewed by Kurtz, Robert L., AO 13: 451
- Image processing by nutation: an analysis (T), AO 15: 1573
- Image processing by smoothing spline functions (A), JOSA 66: 167
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- Image processing system using incoherent image feedback (ET), AO 17: 717
- Image reconstruction using polar sampling theorems (ET) (L), AO 18: 2086
- Image recording and display by embossable surface-relief structures (A), JOSA 66: 381
- Image restoration by Gauss LU decomposition (E), AO 18: 1684
- Image restoration by singular value decomposition (E), AO 14: 2213
- Image restoration by spline functions (TE), AO 17: 660
- Image restoration by Wiener filtering in the presence of signal-dependent noise (TE), AO 16: 2554
- Image restoration using volume diffraction gratings (ET), OL 3: 124
- Image scanning using surface acousto-optic interaction (A), JOSA 65: 1165
- Image subtraction/addition system (P), AO 17: 2260
- Image transforms, convolutions, and theory of group representations (A), JOSA 67: 1416
- Imaging coding in variable phenomena using a vidicon system on line with a minicomputer (E) (L), AO 17: 982
- Imaging in astronomy: OSA topical meeting, Cambridge, 18-21 Jun 1975 (M), Reported by Wyant, James C., AO 14: 2322
- Imaging through scattering media with an achromatic interferometer (A), JOSA 68: 1377
- Imaging with random arrays (A), JOSA 66: 1128
- Improved random spatial phase modulation for speckle elimination (E), AO 17: 1447
- Incoherent image addition and subtraction: a technique (T), AO 18: 2705
- Incoherent optical computing for transaxial tomography (A), JOSA 66: 1110
- Incoherent optical-image processing using synthetic holograms (TE), JOSA 66: 14
- Incoherent optical processing of complex data (T) (L), AO 16: 261
- Incoherent optical subtraction of images in real time (A), JOSA 67: 1415
- Incoherent processor for restoring images degraded by a linear smear (ET), AO 17: 2191
- Influence of ground scattering on satellite auroral observations (T), AO 17: 1898
- Information processing and holography technical group discussion on image processing for the human observer: monochrome, color, and stereo (A), JOSA 66: 1139
- Interactive hybrid processing facility for geological and geographical applications (A), JOSA 66: 171
- Iterative image restoration (E), AO 14: 1165
- Keystone compensation for image storage systems (T), AO 15: 1626
- Laboratory simulation of stellar speckle interferometry (E), AO 18: 828
- Large-aperture high-speed optical power spectrum analyzer (A), JOSA 68: 1377
- Local image restoration by a least-squares method (T), JOSA 69: 1333
- Making computer-generated holograms on image-processing equipment (A), JOSA 68: 1440
- Matched filter processing of raster-scanned images: analysis (T), AO 15: 2391
- Maximum entropy image restoration. I. The entropy expression (T), JOSA 67: 1656
- Maximum likelihood method for obtaining near-diffraction-limited images through the turbulent atmosphere (A), JOSA 67: 1415
- Microradiographs of laser fusion targets: 2-D modeling and analysis (ET), AO 18: 1266
- Moire inspection of multicomponent assemblies (E), AO 18: 4046
- Monochrome digital image enhancement (ET), AO 15: 495
- Multiemulsion transparency providing separate phase and amplitude control (P), AO 18: 3219
- Multimode laser cavities to amplify an image (P), AO 18: 1287
- Multiplexor and sensor system tradeoff studies (A), JOSA 66: 174
- Multispectral size-averaged incoherent spatial filtering (ET), AO 18: 4025
- New and direct optical analog-to-digital conversion method (TE), OL 3: 244
- New parallel processing optical analog-to-digital conversion method (A), JOSA 68: 1376
- New restoring algorithm for the preferential enhancement of edge gradients (TE) (L), JOSA 66: 280
- Noise and coherence in optical image processing. I. The Callier effect and its influence on image contrast (T), JOSA 68: 559
- Noise-cheating image enhancement (TE), JOSA 65: 1347
- Noise-free contrast improvement with a low frequency polarizing filter: a practical evaluation (E), AO 16: 1513
- Noise in optical imaging and processing systems: a physical description of the influence of coherence (A), JOSA 69: 1441
- Noise problems in optical image processing (A), JOSA 66: 178
- Nonlinear detection and estimation of images degraded by film-grain noise (A), JOSA 66: 167



- Nonlinear digital processing of images corrupted by film-grain noise (A), JOSA 65: 1202
- Nonlinear filtering using inherent film nonlinearity (A), JOSA 66: 1131
- Nonlinear image processing using Fabry-Perot interferometers (A), JOSA 68: 1377
- Nonlinearities in projection reconstruction (A), JOSA 66: 1130
- Nonlinear optical image processing (A), JOSA 66: 170
- Numerical image manipulation and display in solar astronomy (TE), AO 16: 938
- On-axis coherent optical feedback system for image processing (A), JOSA 66: 169
- On-line digital image restoration and manipulation using a minicomputer (E), AO 16: 462
- Optical character recognition apparatus (P), AO 14: 1042
- Optical computing for image bandwidth compression: analysis and simulation (TE), AO 17: 2944
- Optical differential operation processor (A), JOSA 66: 169
- Optical image processing by laser scanner (A), JOSA 65: 1177
- Optical image processing by multiplex coding (TE), AO 15: 93
- Optical image subtraction (A), JOSA 65: 1177
- Optical matched filtering of incoherent images (T) (L), AO 18: 3548
- Optical optimization of the inversion of convolution products  $\tilde{f} = g * u$  when the unknown  $u$  is space-limited (T), AO 18: 1862
- Optical pseudocolor encoding of spatial frequency information (ET), AO 17: 2524
- Optical pseudocoloring of spatial frequency information (A), JOSA 67: 1407
- Optical smoothing filters (TE) (L), AO 13: 996
- Optical spline-image coding (A), JOSA 68: 1376
- Optical transfer function synthesis: a geometrical optics approach (TE), AO 18: 2760
- Optimum edge detection filter (TE), AO 16: 145
- Panel discussion: comparison of image processing methods (A), JOSA 66: 173
- Parallax in photogrammetry (P), AO 18: 3714
- Partially coherent image processing by laser scanning (TE), JOSA 65: 887
- Phase image differentiation with linear intensity output (T), AO 17: 181
- Phase imaging in scanning optical microscopes (A), JOSA 69: 1443
- Phase response of a liquid crystal image transducer (E) (L), AO 17: 3696
- Phase retrieval techniques for image processing in coherent systems (A), JOSA 69: 1442
- Photographic-film response shaping by halftone screen for optical processing of medical x-ray images (A), JOSA 68: 1436
- Photoinduced polarization properties of  $\text{LiIO}_3$  single crystal (E), AO 14: 2978
- Physics of image recording and reproducing, APS-NYS Fall meeting, Rochester, 10-11 Oct 1975 (M), Reported by Benton, Stephen A., AO 15: 594
- Picture coding possibility without point by point sampling (ET), AO 16: 3143
- Picture Processing and Digital Filtering. Edited by T. S. Huang (B), Reviewed by Howard, John N., AO 16: A38
- Possible uses for frequency sweeping in Fourier optics (A), JOSA 68: 1375
- Postprocessing of imagery from active optics (A), JOSA 66: 175
- Postprocessing of imagery from active optics: some pitfalls (T), AO 16: 175
- Principles of broad-band coherent imaging (T), JOSA 67: 1015
- Prismatic anamorphic system for optical correlators (P), AO 17: 2262
- Production of color coded equidensities using nonlinear filtering (E), AO 16: 1951
- Properties of Fourier transforms produced by different phase fronts (A), JOSA 68: 1375
- Pseudo color densitometer analysis—the Apollo 17 (Saturn V exhaust plume) (E) (cover, Oct), AO 13: 2197
- Real-time classification of thermographies by using optically coded eigenvectors in coherent and incoherent light (A), JOSA 68: 1376
- Real-time coherent optical edge enhancement (E) (L), AO 17: 161
- Real-time optical correlation of 3-D scenes (E), AO 16: 149
- Real-time optical edge enhancement (A), JOSA 66: 1127
- Real-time optical-image subtraction (A), JOSA 64: 1402
- Real-time optical signal processors employing optical feedback: amplitude and phase control (T), AO 15: 882
- Real-time optical subtraction of photographic imagery for difference detection (ET), AO 15: 871
- Real-time tracking of moving objects by optical correlation (E), AO 18: 172
- Reconstruction of an object from the modulus of its Fourier transform (TE), OL 3: 27
- Removal of instrument signature from Mariner 9 television images of Mars (T), AO 14: 105
- Response time of a liquid crystal image transducer (A), JOSA 67: 1445
- Restoration of images degraded by spatially varying pointspread functions by a conjugate gradient method (T), AO 17: 2186
- Restoration of noisy blurred images by a smoothing spline filter (TE), AO 16: 3147
- Restoration of optical objects using regularization (T), OL 3: 61
- Restoration of Poisson images using maximum entropy (A), JOSA 67: 1416
- Restoring astronomical objects using maximum entropy (A), JOSA 68: 1375
- Restoring with maximum entropy. III. Poisson sources and backgrounds (TE), JOSA 68: 93
- Rotating wedge spatial filter (E) (L), AO 17: 163
- Sampling theorems in polar coordinates (T), JOSA 69: 1519
- Scanner for color images with a one-color laser (E), AO 17: 4003
- Scan-playback corrections (T) (L), AO 16: 2359
- Sharpness index and its application to focus control (TE), AO 15: 877
- Simplified production of spatial inverse filters (TE), OL 3: 247
- Space-bandwidth product of some deblurring filters (T), AO 16: 2550
- Space-frequency conversions for image transmission and processing (TE), OL 3: 24
- Space variant process in handwriting: study of its temporal stationarity, and application to its linear prediction (A), JOSA 68: 1376
- Spatial multiplex tomography (TE), AO 16: 2363
- Speckle elimination using random spatial phase modulation (E) (L), AO 16: 1473
- Speckle imaging, photon by photon (T), AO 18: 611
- Spectral discrimination for image encoding (A), JOSA 65: 1183
- Spectral properties of random arrays of grains (TE) (L), JOSA 69: 1315
- Statistical spatial filtering: application to aerial photographs (ET), AO 17: 3395
- Stellar magnitude determination from photographs by computer (A), JOSA 68: 1376
- Storage of digital information on film in register with the image (A), JOSA 67: 1407
- Subtraction of images with incoherent illumination in real time (ET) (L), AO 16: 3086
- Synthesis of nonlinear nonmonotonic functions in optical image processing (A), JOSA 66: 170
- Temporally encoded imaging (A), JOSA 65: 1183
- Thermography in microwave holography (E) (L), AO 14: 1487
- Three-dimensional information extraction from a coded-scan tomogram (ET) (L), AO 15: 1881
- Transmission of pictorial information by spectrum modulation (A), JOSA 66: 1111
- Two decades of medical image processing (A), JOSA 66: 167
- Two-dimensional white light coherence interferometer (E) (L), AO 13: 2760
- Uniformly redundant array imaging of laser driven compressions: preliminary results (E) (L), AO 18: 945
- Variable threshold zonal filtering (E) (L), AO 16: 1779
- Visualization of large variation phase objects (A), JOSA 66: 171
- Visual system model and a new distortion measure in the context of image processing (A), JOSA 67: 1406
- Visual system model and a new distortion measure in the context of image processing (TE), JOSA 68: 374
- White light optical processor for edge enhancement and spectral filtering (TE), AO 18: 1679
- Zoom endoscope (P), AO 18: A214
- Image quality**  
See also Holography
- Aberration generator (E), AO 14: 2476
- Aliasing and quantization in the efficient display of images (TE), JOSA 69: 869
- Aliasing artifacts in computerized tomography, AO 18: 3704
- Analysis of halftone dot profile and aliasing in the discrete binary representation of images (T), JOSA 67: 1147
- Apodization and image contrast (T) (L), AO 18: 955
- Characterizing halftone noise: a technique (E), AO 17: 3999
- Computer controlled image sensor and its application (ET), AO 18: 485
- Cross-spectrum error criterion as an image quality measure (T), AO 13: 1460
- Degradation of an image due to Gaussian motion (T), AO 17: 3329
- Determination of the optimal reference sphere (T) (L), JOSA 69: 1045
- Diffraction analysis of segmented-window systems (A), JOSA 65: 1176
- Einfluss der Szintillation auf den Faktor  $k$  der Sonnenfleckenrelativzahl (E), AO 14: 395
- Environmental effects on segmented windows (A), JOSA 65: 1175
- Evaluation of a segmented-annular-aperture camera (A), JOSA 65: 1175
- Fast automatic lens testing for extended-field image quality (ET), AO 15: 805
- Halftone images: spatial resolution and tone reproduction (TE), JOSA 68: 416
- Image analysis using enhanced spatial correlation functions (ET), AO 13: 1828
- Image analysis via the general theory of moments (A), JOSA 69: 1468
- Image blur for rainbow holograms (T), OL 1: 130
- Image chopping techniques for fast measurement of irradiance distribution parameters (T), AO 18: 389
- Image profile upon passage through a Fabry-Perot interferometer of large Fresnel number (T), JOSA 69: 348
- Image Quality: A Comparison of Photographic and Television Systems. By Otto H. Schade, Sr. (B), Reviewed by Biberman, Lucien M., AO 15: 561
- Image quality prediction: an aid to the Viking Lander imaging investigation on Mars (TE), AO 15: 1748
- Image sharpness, Fourier optics, and redundant-spacing interferometry (T) (L), JOSA 67: 1122
- Optimization of the geometric and diffraction images of concentric-mirror telescopes (A), JOSA 65: 1176
- Picture segmentation and description (A), JOSA 66: 172
- Probability of getting a lucky short-exposure image through turbulence (T), JOSA 68: 1651
- Propagation of spatial pulses in sinusoidally stratified media (A), JOSA 65: 1166
- Real-time wavefront correction by Bragg diffraction of light by sound waves (A), JOSA 64: 561
- Scene power spectra: the movement as an image quality merit factor (ET), AO 15: 2846
- Second moment of the diffraction point spread function as an image quality criterion (T) (L), JOSA 69: 1311
- Spectral characteristics of image quality for imaging horizontally through the atmosphere (T), AO 16: 2422
- Spectral characteristics of image quality for imaging horizontally through the atmosphere (errata), AO 17: 1162
- Structure and spatial frequency spectrum of Sayce test patterns (T), AO 18: 3027
- Transfer function of coherent optical systems with quadratic detection (TE), JOSA 69: 628
- Visual system model and a new distortion measure in the context of image processing (TE), JOSA 68: 374
- Image reconstruction**  
See also Holography
- Application of optimum coding sequences to computerized classical tomography (TE), AO 17: 3133
- Bounds on errors in reconstructing from undersampled images (T) (L), JOSA 69: 1042
- Coded aperture imaging: predicted performance of uniformly redundant arrays (T), AO 17: 3562



- Computation of the 3-D distribution of sources of optical scattering from complex-amplitude far-field data (A), JOSA 65: 1188
- Computerized tomosynthesis, serioscopy, and coded-scan tomography (ET), AO 17: 175
- Conjugate wave-front generation and image reconstruction by four-wave mixing (A), JOSA 67: 1396
- Digital and optical reconstruction of images from suboptical diffraction patterns (TE), AO 13: 655
- Digital deconvolution of a coded image obtained with a nonredundant pinhole array (ET), AO 16: 1260
- Digital hologram reconstruction of radio telescope data (E) (L), AO 16: 1113
- Direct transmission of pictorial information in multimode optical fibers (T), JOSA 66: 306
- Estimation of object position from image (A), JOSA 69: 1443
- Filtering for image reconstruction from projections (T), JOSA 67: 662
- Fine structure of an image facsimile synthesized with a Gaussian spot (T), AO 18: 2033
- For manufacturing purposes (P), AO 18: 3714
- Full view hologram (P), AO 16: 13
- Gamma-ray imaging in Fourier space (ET), OL 3: 187
- Generalized sampling criteria in image synthesis (A), JOSA 64: 560
- Image extraction from speckle patterns (A), JOSA 66: 177
- Image reconstruction of multiplane gamma-ray sources recorded with a Fresnel zone plate aperture (A), JOSA 66: 168
- Image reconstruction over a finite field of view (T), JOSA 65: 1342
- Image reconstruction using polar sampling theorems (ET) (L), AO 18: 2086
- Image reconstruction via phase-conjugated stimulated Brillouin scattering (A), JOSA 68: 1627
- Image recording and zero-order read-out using surface-relief gratings (A), JOSA 67: 1374
- Image retrieval from astronomical speckle patterns (TE), JOSA 66: 1236
- Images of gas molecules by electron holography. III. Theory of optical spatial domain filter (TE), JOSA 69: 1292
- Image synthesis based on the phase measurable optical interferometry (A), JOSA 66: 634
- Imaging by correlation of periodic sequences in conventional tomography (A), JOSA 68: 1437
- Imaging through scattering media with an achromatic interferometer (TE), OL 4: 118
- Improved computation methods for nonlinear digital image restoration (A), JOSA 66: 1111
- Kinoform simulation using wedges, lenses, and line tracings (A), JOSA 65: 1178
- Large-aperture holographic spherical beam-splitter mirrors (A), JOSA 67: 1374
- Multichannel image decoding using a composite filter (T) (L), JOSA 66: 150
- Object luminance reconstruction through sampling of the complex degree of coherence in the far field (A), JOSA 69: 1485
- Operator factorization of PSF for fast digital restoration of images (A), JOSA 64: 1377
- Optical simulator with a holographic component (A), JOSA 67: 1374
- Optical spline-image coding (A), JOSA 68: 1376
- Passive imaging through the turbulent atmosphere: fundamental limits on the spatial frequency resolution of a rotational shearing interferometer (T), JOSA 68: 67
- Performance of image-plane sharpness criteria in image reconstruction (T), JOSA 68: 890
- Polar sampling theorems and their application to image reconstruction (A), JOSA 69: 1442
- Reconstructing holograms using a reflected undiffracted beam as a reconstruction beam (P), AO 16: 12
- Reconstruction of a Fraunhofer hologram recorded near the focal plane of a transforming lens (T), AO 18: 1436
- Reconstruction of an object from the modulus of its Fourier transform (TE), OL 3: 27
- Reconstruction of objects from optical images and the number of degrees of freedom of an image (A), JOSA 64: 560
- Reconstruction of turbulence-degraded images by spectral ratio measurements (T) (L), JOSA 67: 843
- Reconstruction of turbulence-degraded images using nonredundant aperture arrays (T), JOSA 68: 883
- Representation of observable signals in Chebyshev polynomials: application to phase-sensitive detection (T), JOSA 69: 978
- Sampling theorems in polar coordinates (T), JOSA 69: 1519
- Scan-playback corrections (T) (L), AO 16: 2359
- Space-invariant multiple-grating interferometers in holography (T), JOSA 69: 689
- Structural measurement by inverse scattering in the first Born approximation (E) (L), AO 15: 313
- Three-dimensional image reconstruction techniques international workshop, Brookhaven National Laboratory, 16-19 Jul 1974 (M), Reported by Vest, C. M.; Macovski, Albert, AO 14: 262
- Three-dimensional radiographic imaging with a restricted view angle (T), JOSA 69: 1323
- Tomographic image reconstruction of radionuclide sources (A), JOSA 64: 1378
- Transaxial tomography for pedestrians (A), JOSA 65: 1183
- Transfer functions, correlation scales, and phase retrieval in speckle interferometry (E), JOSA 67: 1583
- Transmission and recovery of three-dimensional image information in optical waveguides (T), JOSA 66: 301
- Transmission of pictorial information by spectrum modulation (A), JOSA 66: 1111
- Unconventional zone-plate designs for pseudoholography (A), JOSA 68: 1437
- Uniformly redundant array imaging of laser driven compressions: preliminary results (E) (L), AO 18: 945
- ### Image reproduction
- Image reproduction with interactive graphics (E), AO 13: 2061
- Image Science: Principles, Analysis and Evaluation of Photographic-Type Imaging Processes. By J. C. Dainty and R. Shaw (B), Reviewed by Lamberts, Robert L., JOSA 65: 1384
- Oil film imaging (P), AO 13: 3A26
- Photoelectrophoretic imaging with ultrasonic vibration during imaging (P), AO 13: 3A26
- ### Image restoration
- See also Adaptive optics
- Amplified reflection, phase conjugation, and oscillation in degenerate four-wave mixing (T), OL 1: 16
- A posteriori method of image restoration (TE), JOSA 69: 280
- A posteriori restoration of atmospherically degraded images using multiframe imagery (A), JOSA 66: 175
- Arc length constrained image restoration (A), JOSA 66: 1112
- Astronomical holography through the turbulent atmosphere (A), JOSA 66: 175
- Binary display of images when spotsizes exceeds stepsize (A), JOSA 69: 1442
- Bounds on errors in reconstructing from undersampled images (T) (L), JOSA 69: 1042
- Coding and decoding of dilute and continuous-tone objects in incoherent light (ET), JOSA 65: 695
- Coherent optical compensation of post-detection spatial distortion (T), JOSA 69: 1172
- Comparison of image restoration methods (ET), AO 17: 3384
- Computer simulation studies of restoration of turbulence-degraded images (A), JOSA 66: 174
- Constrained least-squares image restoration: an improved computational scheme (T), AO 17: 2340
- Contrast enhancement (P), AO 18: 3554
- Detection of low-contrast images in film-grain noise (TE), AO 17: 2883
- Deterministic analysis of the maximum entropy image restoration method and of some related methods (T), JOSA 67: 1154
- Diffraction-limited atmospheric imaging of extended objects (T), JOSA 66: 469
- Digital Image Restoration. By H. C. Andrews and B. R. Hunt (B), Reviewed by Meyer-Arendt, Jurgen R., AO 17: 158
- Digital Image Restoration. By H. C. Andrews and B. R. Hunt (B), Reviewed by Angel, Edward S., JOSA 68: 273
- Direct recording and reconstruction of 3-D x-ray images (ET), AO 17: 3125
- 2-D restoration by decision-rule allocation of pseudograms (A), JOSA 64: 561
- Estimation of images degraded by film-grain noise (TE), AO 17: 1228
- Examples of image restoration by constrained deconvolution (A), JOSA 64: 1378
- Experiments in digital restoration of defocused grainy photographs by noise cheating and Fourier techniques (A), JOSA 66: 167
- Fast restoration of finite objects degraded by finite PSF (A), JOSA 65: 1203
- First observatory results with an image-sharpening telescope (E), JOSA 67: 304
- Fourier-transform method of image restoration (A), JOSA 64: 560
- High fidelity image reproduction by a line halftone screen of linear cell transmittance (A), JOSA 69: 1442
- Image correlation using space-to-frequency conversions (A), JOSA 69: 1443
- Image deblurring with an achromatic coherent image processor (A), JOSA 69: 1402
- Image restoration by discrete convolution of minimal length (TE), JOSA 64: 682
- Image restoration by Gauss LU decomposition (E), AO 18: 1684
- Image restoration by singular value decomposition (E), AO 14: 2213
- Image restoration by spline functions (TE), AO 17: 660
- Image restoration by Wiener filtering in the presence of signal-dependent noise (TE), AO 16: 2554
- Image restoration subject to surface area or arc length constraints (T), JOSA 67: 76
- Image restoration subject to surface area or arc length constraints (errata), JOSA 67: 576
- Image restoration using volume diffraction gratings (ET), OL 3: 124
- Image restoration utilizing the spatial masking of the visual system (A), JOSA 67: 1406
- Image retrieval from astronomical speckle patterns (A), JOSA 66: 182
- Incoherent processor for restoring images degraded by a linear smear (ET), AO 17: 2191
- Iterative algorithm for restoration of space-variant PSF degraded images (A), JOSA 65: 1203
- Iterative image restoration by the projection method (A), JOSA 65: 1203
- Iterative image restoration (E), AO 14: 1165
- Linear programming compensation for space-variant image degradation (A), JOSA 66: 172
- Local image restoration by a least-squares method (T), JOSA 69: 1333
- Matrix formulation of the reconstruction of phase values from phase differences (T), JOSA 69: 393
- Maximum entropy image restoration. I. The entropy expression (T), JOSA 67: 1656
- Maximum entropy restorations of Ganymede (A), JOSA 66: 172
- Maximum information: a new norm of image restoration (A), JOSA 69: 1442
- Measurement of the size of the isoplanatic patch using a phase-correcting telescope (E), JOSA 69: 84
- Membrane mirror as an adaptive optical element (ET), JOSA 67: 399
- Minimizing atmospheric dispersion effects in compensated imaging (T), JOSA 67: 407
- Multiple-pulse thermal blooming and phase compensation (E), JOSA 67: 298
- New restoring algorithm for the preferential enhancement of edge gradients (TE) (L), JOSA 66: 280
- Nonlinear restoration of blurred images with Poisson noise (A), JOSA 69: 1441
- On-line digital image restoration and manipulation using a minicomputer (E), AO 16: 462
- Optical super-resolution using prolate spheroidal wave-function filtering (A), JOSA 69: 1442
- Optimal wave-front estimation, JOSA 67: 378
- Optimum restoration of coded and transmitted images (A), JOSA 66: 173
- Orthogonalization, Bernstein polynomials, and image restoration (T), AO 18: 464
- Performance of image-plane sharpness criteria in image reconstruction (T), JOSA 68: 890
- Picture Processing and Digital Filtering (Topics in Applied Physics). Edited by T. S. Huang (B), Reviewed by MacAdam, David Pearce, JOSA 66: 393
- Point-spread functions and image restoration with astigmatism and curvature of field (A), JOSA 64: 560



- Propagation-medium limitations on phase-compensated atmospheric imaging (T), JOSA 66: 460
- Pseudo-Wiener filtering in image deconvolution (A), JOSA 69: 1442
- Real-time atmospheric compensation (E), JOSA 67: 360
- Real-time correction of atmospherically degraded telescope images through image sharpening (T), JOSA 64: 1200
- Real-time correction of telescope "seeing" (A), JOSA 65: 1206
- Reconstruction of turbulence-degraded images using nonredundant aperture arrays (T), JOSA 68: 883
- Removal of seeing and instrumental blur effects from astronomical scanner observations (TE), AO 13: 2947
- Restoration of a smeared photographic image by incoherent optical processing (T), AO 17: 3571
- Restoration of astigmatism and curvature of field (TE), JOSA 65: 712
- Restoration of bilinearly distorted images (A), JOSA 69: 1443
- Restoration of color images degraded by chromatic aberration (A), JOSA 67: 1407
- Restoration of noisy blurred images by a smoothing spline filter (TE), AO 16: 3147
- Restored impulse response of finite-range image deblurring filter (ET), AO 14: 1059
- Restoring astronomical objects using maximum entropy (A), JOSA 68: 1375
- Restoring images with shift-varying degradations (A), JOSA 66: 172
- Restoring with maximum entropy. III. Poisson sources and backgrounds (TE), JOSA 68: 93
- Space-variant image restoration by coordinate transformations (TE), JOSA 64: 138
- Stabilizer for moving vehicle (P), AO 18: 3554
- Three-dimensional information extraction from a coded-scan tomogram (ET) (L), AO 15: 1881
- Trade off between resolution and noise in restoration by superposition of images (T), AO 13: 1833
- Visual system model and a new distortion measure in the context of image processing (TE), JOSA 68: 374
- Wave-front compensation error due to finite corrector-element size (T), JOSA 67: 393
- Wave-front reconstruction for compensated imaging (T), JOSA 67: 375

## Image tubes

- Advances in Image Pickup and Display, Volume 2. Edited by B. Kazan (B), Reviewed by Rabinow, Jacob, AO 15: 1108
- Automatic fluorescence microphotometer using an image dissector tube (E), AO 18: 2950
- Blackbody images from ambient temperature gases (A), JOSA 67: 1420
- Comparison between two methods of SNR measurement of image tubes (E) (L), AO 13: 2187
- Image transfer properties of proximity focused image tubes (E), AO 16: 2127
- Modulation transfer function of image tube lenses (TE), AO 16: 2647
- Photo-Electronic Image Devices, Proceedings of the Sixth Symposium, Imperial College, London, September 9-13, 1974, Volume 40A, Advances in Electronics and Electron Physics. Edited by L. Marton (B), Reviewed by Burbo, James, JOSA 67: 1134
- Secondary electron conduction camera tube for space applications (E), AO 15: 661
- Self-scanned digicon: a digital image tube for astronomical spectroscopy (E), AO 14: 1182

## Imaging systems

- Aberrations of ellipsoidal reflectors for unit magnification (T), AO 13: 2931
- Active imaging system: a long range scanned laser (E), AO 15: 1284
- Analysis of the spectral imaging capabilities of a moving grating interferometric spectrometer (TE), JOSA 69: 470
- Analysis of the spectral imaging capabilities of a moving grating interferometric spectrometer (errata), JOSA 69: 1633
- Aplanatic grazing incidence x-ray microscopes: design and performance (T), AO 15: 3094
- Application of optimum coding sequences to computerized classical tomography (TE), AO 17: 3133

- Astronomical monochromatic imaging as applied to the Io sodium cloud (E), AO 17: 3117
- Characterization of the imaging properties of x-ray focal spots using a random object array (A), JOSA 65: 1189
- Charge coupled devices and CID arrays for visible imaging applications (A), JOSA 66: 389
- Charge-coupled devices for image sensing (A), JOSA 65: 1173
- Chromaticity and luminous efficiency of phase imaging systems (TE), AO 16: 3154
- Close-up imaging of documents and displays with lens arrays (E), AO 18: 477
- Coded aperture imaging: predicted performance of uniformly redundant arrays (T), AO 17: 3562
- Coded aperture imaging with uniformly redundant arrays (ET), AO 17: 337
- Color: theory and imaging systems, SPSE tutorial seminar on, New York City, 20-21 Sep 1973 (M), Reported by Voglesong, William F., AO 13: 9
- Compatible color 3-D TV system: a proposed design (T) (L), AO 18: 584
- Composite x-ray pinholes for time-resolved microphotography of laser compressed targets (E), AO 16: 1253
- Contrast enhancement in partially coherent imaging (A), JOSA 67: 1366
- Defocused image of a periodic complex object in an optical system under partially coherent illumination (T), JOSA 66: 932
- Demodulation scheme for laser-scanned acoustical-imaging systems (T), JOSA 69: 407
- Depth of field in the scanning microscope (T), OL 3: 115
- Diagnostics of Shiva Nova high-yield thermonuclear events (E), JOSA 68: 1731
- Digital deconvolution of a coded image obtained with a nonredundant pinhole array (ET), AO 16: 1260
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- Electro-optical imaging in diagnostic radiology (A), JOSA 66: 381
- Electro-optical performance in degraded atmosphere (A), JOSA 66: 389
- Electrooptic device (P), AO 16: 279
- Electrophoretic imaging apparatus (P), AO 16: 799
- Ellipsoid-hyperboloid x-ray imaging instrument for laser-pellet diagnostics (T), AO 14: 2096
- Equivalence of annular source and dynamic coherent phase-contrast viewing systems (A), JOSA 65: 1167
- Far infrared imagery (E), AO 15: 1919
- Fundamental limits and degrees of freedom of imaging systems (A), JOSA 66: 168
- Gamma-ray imaging with stochastic apertures (T), AO 13: 2589
- Hadamard transform imager and imaging spectrometer (E), AO 15: 1595
- High-resolution imaging systems through turbulent media (A), JOSA 64: 561
- High-sensitivity two-dimensional heat detection by means of a fluid interface (A), JOSA 67: 1446
- Holographic Doppler imaging of rotating objects (TE), AO 14: 134
- How window emittance degrades the performance of airborne infrared imaging systems (A), JOSA 65: 1169
- Image communication system (P), AO 15: 1346
- Image evaluation of the light-enhanced vaporization photolithographic process in  $As_2S_3$  thin films (E), OL 2: 51
- Image of a periodic complex object in an optical system under partially coherent illumination (T), JOSA 66: 921
- Image quality prediction: an aid to the Viking Lander imaging investigation on Mars (TE), AO 15: 1748
- Image-recording method and device (P), AO 13: 10A26
- Imaging apparatus including spatial-spectral interferometer (P), AO 18: 3341
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- Imaging properties of Wolter I type x-ray telescopes (T), AO 16: 764
- Imaging Systems: Mechanisms and Applications of Established and New Photosensitive Processes. By Kurt I. Jacobson and Ralph E. Jacobson (B), Reviewed by Tulagin, V., AO 16: 2338

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- Imaging system using an intensity triple correlator (ET), AO 17: 2047
- Inflight performance of the Viking visual imaging subsystem (E), AO 16: 3158
- Infrared (P), AO 16: 2027
- Infrared image converting device (P), AO 13: 2441
- Infrared imaging system (P), AO 13: 2440
- Invisible radiation device (P), AO 16: 2026
- Laser detection of photoinjected images (ET), AO 14: 657
- Light amplifier for obtaining intensified light images from photoemissive surface (P), AO 17: 1469
- Limitation on image resolution imposed by a random medium (T), AO 17: 348
- Longitudinal tomography and imaging with a masked mirror (T) (L), JOSA 68: 1005
- Mass screening of breast cancer by electronic infrared pattern recognition (A), JOSA 66: 381
- Merits of symmetric scanning for detection of coherence function in incoherent imaging system (T) (L), JOSA 66: 145
- Multiple imaging with thin phase filters: a signal processing approach (TE), JOSA 68: 733
- Multispectral imaging and photomicrography using tunable acousto-optic filters (A), JOSA 65: 1172
- Noise characteristics of an intensified imaging system for x-ray cinematography (A), JOSA 69: 1426
- Noise in optical imaging and processing systems: a physical description of the influence of coherence (A), JOSA 69: 1441
- Non-uniform fiber optic imaging system (P), AO 18: 750
- Optical imaging (P), AO 14: 1457
- Optical imaging using aperture synthesis (T), JOSA 69: 187
- Optical-mechanical line-scan imaging process: its information capacity and efficiency (T), AO 14: 2508
- Optical processing: a near real-time coherent system using two Itek PROM devices (TE), AO 15: 1418
- Optical properties of particle migration imaging film (ET), AO 17: 2650
- Optical system for forming an image of an object in a given plane (P), AO 15: 832
- Optical system for obtaining linear image and recorded device utilizing the optical system (P), AO 16: 2789
- Optical system for the display of visual images (P), AO 16: 280
- Optimum pupils for shot-noise-limited imaging systems (A), JOSA 65: 1177
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- Photographic shutters: better pictures with a reconsideration of shutter efficiency (TE), AO 16: 1914
- Photoreceptor diameter and spacing for highest resolving power (T) (L), JOSA 67: 696
- Picosecond framing camera using a passive microchannel plate (ET) (L), AO 18: 745
- Plastic focusing fiber for imaging application (A), JOSA 66: 385
- Polarization reference imaging systems. 2: Computer simulation studies (T), AO 15: 1411
- Principle of equivalence between scanning and conventional optical imaging systems (T) (L), JOSA 67: 1357
- Pseudocolor encoding of holographic imaging (ET), OL 3: 57
- Pyroelectric self-scanning infrared detector arrays (E) (L), AO 18: 943
- Radiation energy receiver (P), AO 17: 1470
- Range-gated active television tradeoff (A), JOSA 66: 389



- Real time Doppler imaging system using forced vibration of the object (TE), AO 16: 1263
- Resolution of active long-wavelength imaging systems (A), JOSA 68: 1362
- Resolution of a real-time coded aperture imaging system (A), JOSA 68: 1363
- Resolution of self-images in planar optical waveguides (T), JOSA 68: 583
- Sampling theorem for space-variant systems (T), JOSA 66: 918
- Scanners and imagery systems for earth observation, SPIE 18th Annual Technical Meeting, San Diego, 19-23 Aug 1974, session 2 (M), Reported by Mesner, Max H., AO 13: 2455
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- Selective material x-ray imaging using spatial frequency multiplexing (TE), AO 13: 2202
- Silicon vidicon system for measuring laser intensity profiles (E), AO 17: 3938
- Solid-state imaging device (P), AO 18: 3818
- Speckle and specular effects in active long-wavelength imaging systems (A), JOSA 67: 1390
- Speckle and specular effects in active long-wavelength imaging systems using heterodyne detection (A), JOSA 68: 1361
- Speckle noise model for optical heterodyne line-scan imagery (T), AO 18: 781
- Speckle noise models for optical heterodyne line-scan imagery (A), JOSA 68: 1386
- Spherically corrected reflecting objective for unit magnification (T), AO 13: 2580
- Sub-keV x-ray imaging using a low-cost ellipsoidal lens (E), AO 16: 94
- Synthetic interferometric imaging technique for moving objects (TE), AO 15: 1923
- Synthetic modal interferometric laser imaging (TE), AO 16: 2441
- System for imaging through inclement weather at submillimeter wavelengths (A), JOSA 66: 1252
- Thermo-optical far infrared system (P), AO 18: 3872
- Three-Dimensional Imaging Techniques. By T. Okoshi (B), Reviewed by Condell, W. J., Jr., AO 17: 1477
- Three-dimensional radiographic imaging with a restricted view angle (T), JOSA 69: 1323
- Transfer relation between object transmittance and image irradiance (A), JOSA 64: 1398
- Uniformly redundant array imaging of laser driven compressions: preliminary results (E) (L), AO 18: 945
- Variable grating mode method (P), AO 16: 2027
- X-ray 3-D coded aperture imaging: displaying the heart (E), AO 15: 1913

## India

- U.S.-India exchange of scientists, NSF travel support (N), AO 15: 1070

## Indium

- Measurement of the lowest S-state lifetime at Al, Ga, In, and Tl (E), JOSA 67: 491
- Resonance lines in the In VI spectrum (ET) (L), JOSA 66: 630
- Spectra of Mo XXX, XXI, and XXXII from a laser-produced plasma (E), JOSA 67: 1525

## Information processing

- See also Data processing, Optical processing, Signal processing
- Acousto-optical devices for optical information processing up to 1 GHz bandwidth (A), JOSA 67: 1444
- Acousto-optic snapshot PROM: a real-time optical signal spectrum analyzer (E), AO 17: 2762
- Acousto-optic spectrum analysis: a high performance hybrid technique (T), AO 18: 1668
- Adaptive photodichroic matched spatial filter (ET) (L), AO 15: 2631
- Aliasing and quantization in the efficient display of images (TE), JOSA 69: 869
- Alignment of microcircuit chips using optically smeared images (E), AO 18: 331
- Ambiguity function display: an improved coherent processor (TE), AO 16: 746
- Ambiguity function display: an improved coherent processor; addendum (TE) (L), AO 16: 1777

- Ambiguity function display using a single 1-D input (TE) (L), AO 18: 2539
- Ambiguity map generation with coherent optics (A), JOSA 69: 1451
- Analysis of image reproduction using a linear line screen (T), OL 4: 408
- Analysis of shift-invariant recording (A), JOSA 69: 1451
- Application of optical processing techniques to the quality control of micromechanics (E), AO 16: 1944
- Application of phase retrieval techniques to adaptive imaging systems (A), JOSA 67: 1422
- Approach to optical processing of one-dimensional signals (A), JOSA 64: 545
- Artificial stereo (ET), AO 17: 3869
- Bilinear processing of 1-D signals by use of linear 2-D coherent optical processors (TE), AO 17: 3408
- Binary code conversion to produce binary holograms with enhanced diffraction efficiency (P), AO 15: 1360
- Binary computer-generated holograms (ET), AO 18: 3661
- Bipolar pointspread function synthesis by phase switching (T) (L), AO 16: 265
- Bounds on errors in reconstructing from undersampled images (T) (L), JOSA 69: 1042
- Channel waveguide electro-optic devices for communications and information processing (A), JOSA 66: 291
- Coding and decoding 2-D images (P), AO 15: 1347
- Coherence effects on the phase accuracy of an optical Fourier processor (T), JOSA 68: 909
- Coherent-optical adaptive techniques (A), JOSA 64: 541
- Coherent optical compensation of post-detection spatial distortion (T), JOSA 69: 1172
- Coherent optical implementation of 1-D Mellin transforms (TE) (L), AO 16: 2609
- Color coding of spatial frequencies using incoherent optical processing (E), AO 18: 4206
- Color-sensitive spatial filters (T), OL 3: 85
- Combined optical AD conversion and page composition for holographic memory applications (E) (L), AO 16: 2607
- Computer-aided design of dither signals for binary display of images (ET), AO 18: 2708
- Computerized text and information processing service for scientific research institutions in the northeast (N), AO 13: 7A14
- Convolution and correlation of real 1-D signals by frequency-plane filtering (TE) (L), AO 18: 3885
- Correlation and information processing using speckle (A), JOSA 66: 178
- Correlation and information processing using speckles (T), JOSA 66: 1275
- Cramer-Rao bounds on mensuration errors (TE), AO 15: 1270
- Cryptographically coded cards employing synthetic light modifying portion (P), AO 15: 830
- Cylindrical lens as an optical correlator (A), JOSA 69: 1451
- Cylindrical lens systems described by operator algebra (TE), AO 18: 4195
- Deformation invariant optical processors using coordinate transformations (T), AO 16: 2288
- Demodulating an unresolved carrier (A), JOSA 64: 1401
- Determining optimal matched filter parameters (E) (L), AO 15: 1690
- Developments in the use of incoherent optical systems for matrix-vector multiplication (A), JOSA 68: 1414
- Direct matched-filtering of pen recordings using sodium light (ET) (L), AO 14: 2337
- Doppler signal processing: a new technique (ET) (L), AO 15: 2015
- Dual channel acousto-optical Bragg cell for optical information processing (A), JOSA 68: 1363
- Edge enhancement with incoherent optics (E) (L), AO 16: 1451
- Electrooptical array processor for complex signals (E), AO 17: 2952
- Equalizing and coherence measure correlators (ET), AO 17: 3418
- Estimating transfer functions of noisy linearized imaging systems using pseudorandom images (A), JOSA 69: 1450
- Estimation of the location of an optical object with photodetectors limited by quantum noise (T), AO 13: 1824
- Extracting signals from a strong continuum in the presence of noise (A), JOSA 66: 1131
- Fiber matrix device (P), AO 18: A113
- Fiber optics matrix-vector multiplier (A), JOSA 69: 1450
- Filter plane resolution requirements for coherent optical correlators (T) (L), AO 16: 285
- Flexible bandpass filtering using a coherent optical feedback technique (E), AO 18: 2787
- Fourier spectrum of an object using holographic lenses (E) (L), AO 14: 2562
- Fourier transforming system (P), AO 13: 9A26
- Frequency variant optical signal analysis (TE), AO 15: 3073
- Geodesic optical waveguide lens analysis: Comment (T) (L), JOSA 69: 791
- Geodesic profiles for equivalent Luneburg lenses (L), JOSA 69: 792
- Halftone dot profile and aliasing in the discrete binary representation of images (A), JOSA 66: 1131
- Halftone images: spatial resolution and tone reproduction (TE), JOSA 68: 416
- Halftone method with edge enhancement and moire suppression (A), JOSA 65: 1177
- Halftone method with edge enhancement and moire suppression (E), JOSA 66: 985
- Halftone screen design methods for nonlinear optical processing (TE), AO 18: 2792
- Halftone screen techniques for photographic film response shaping with application to optical processing of medical x-ray images (TE), AO 18: 2294
- High concurrency data bus using arrays of optical emitters and detectors (TE), AO 18: 1687
- High speed access by polarization (P), AO 18: A114
- Holographic associative memory and processor (T), AO 14: 1088
- Holographic image formation using phase plates with incoherent imaging property (TE), AO 15: 1787
- Holographic information retrieval system (E), AO 13: 869
- Holographic representation of space-variant systems: system theory (T), AO 15: 2241
- Holography and Information Processing. Edited by S. B. Gurevich (B), Reviewed by Hawkes, P. W., AO 17: 497
- Holo-lens optical spatial frequency processor (E) (L), AO 15: 849
- Image analysis using enhanced spatial correlation functions (ET), AO 13: 1828
- Image coding with far-field holograms (A), JOSA 67: 1381
- Image reconstruction using polar sampling theorems (ET) (L), AO 18: 2086
- Incoherent image addition and subtraction: a technique (T), AO 18: 2705
- Incoherent optical processing of complex data (T) (L), AO 16: 261
- Incoherent optical processing via spatially offset pupil masks (ET), AO 17: 2454
- Incorporating gain into a coherent optical feedback system (A), JOSA 68: 1361
- Information processing and holography technical group discussion on image processing for the human observer: monochrome, color, and stereo (A), JOSA 66: 1139
- Information transmission by nonhomogeneous plane waves (A), JOSA 64: 1398
- Input scanning technique for coherent processing (A), JOSA 68: 1414
- Integrated optical half adder circuit (E), AO 18: 2045
- Introduction to Diffraction, Information Processing, and Holography. By Francis T. S. Yu (B), Reviewed by Williams, John R., AO 13: 685
- Introduction to Diffraction, Information Processing, and Holography. By Francis T. S. Yu (B), Reviewed by Carlson, F. Paul, JOSA 66: 395
- Inversion of interferometric data from cylindrically symmetric, refractionless plasmas (T), JOSA 69: 927
- Iterative color-multiplexed, electro-optical processor (TE), OL 4: 348
- Iterative Fourier approach for describing linear, multiple plane, coherent optical processors (T), AO 18: 2775
- Laser recording and information handling, SPIE 18th Annual Technical Meeting, San Diego, 19-23 Aug 1974 (M), Reported by Schreiber, William F., AO 13: 2456
- Laser recording with truncated Gaussian beams (T), AO 18: 2143



- Lensless matched filter: operating principle, sensitivity to spectrum shift, and third-order holographic aberrations (TE), AO 15: 2830
- Linear space-variant optical processing of 1-D signals (TE), AO 16: 733
- Linear system characterization through response cataloging (T), AO 18: 655
- Low-cost TV recording techniques—optical vs non-optical (A), JOSA 64: 542
- Magnetic-Bubble Memory Technology. By Hsu Chang (B), Reviewed by Bobeck, A. H., AO 18: 3850
- Masks for Hadamard transform optics, and weighing designs (T), AO 15: 107
- Matched filter optical processor (TE), AO 13: 925
- Matrix multiplication using incoherent optical techniques (TE), AO 13: 1670
- Maximum-likelihood restoration of nonstationary imagery (T), JOSA 64: 17
- Measurement of information capacity by the use of optical processing systems (A), JOSA 66: 1130
- Measurement of strain distribution in plane metal plate by optical spatial filtering (TE), AO 14: 115
- Measurement of surface strain distribution by means of color display using optical spatial filtering (TE), AO 14: 970
- Methods for real-time nonlinear optical processing (A), JOSA 68: 1361
- Microcomputer-based hybrid processor applied to new optical processing applications (A), JOSA 68: 1414
- Minimum-bias spectral estimation with a coherent optical spectrum analyzer (T), JOSA 65: 425
- Modulated transfer function from edges using constrained least-square cubic splines (A), JOSA 69: 1450
- Monochrome digital image enhancement (ET), AO 15: 495
- Multichannel infrared receiver performance (TE), AO 18: 1567
- Multichannel laser recorder—reproducer for archival mass storage applications (A), JOSA 67: 1382
- Multichannel optical correlator for radar signal processing (TE), AO 17: 2058
- Multicolor imagery from holograms by spatial filtering (TE), AO 14: 438
- Multiple-invariant space-variant optical processors (TE), AO 17: 655
- Multiplex holography with chirp-modulated binary phase-coded reference-beam masks (ET), AO 18: 52
- Multispectral size-averaged incoherent spatial filtering (ET), AO 18: 4025
- New and direct optical analog-to-digital conversion method (TE), OL 3: 244
- New 3-D laser Doppler velocimeter using cross-bispectral analysis (ET), AO 17: 3890
- Noise and coherence in optical image processing. I. The Callier effect and its influence on image contrast (T), JOSA 68: 559
- Nonlinear filtering in coherent optical systems through halftone screen processes (ET), AO 14: 1813
- Nonlinear optical processing: effects of input medium and precompensation (TE), AO 16: 2279
- Nonlinear optical processing: nonmonotonic halftone cells and phase halftones (TE), AO 16: 1936
- Novel hybrid optical correlator (errata), AO 14: 1209
- Novel hybrid optical correlator: theory and optical simulation (TE), AO 14: 369
- Novel techniques for optical information processing: an introduction, AO 18: 2735
- Numerical image manipulation and display in solar astronomy (TE), AO 16: 938
- Object encoding and decoding for spatial differentiation (A), JOSA 64: 544
- One-dimensional linear coherent processing using a single optical element (TE), AO 18: 2783
- One-dimensional Mellin transformation using a single optical element (TE) (L), AO 18: 754
- Optical arithmetic unit (A), JOSA 67: 1383
- Optical arrangement for high speed printout system (P), AO 14: 1043
- Optical character recognition based on nonredundant correlation measurements (ET), AO 18: 2746
- Optical computation using residue arithmetic (T), AO 18: 149
- Optical computing and investigations on writing (ET), AO 15: 523
- Optical delay line matched filter (A), JOSA 67: 1382
- Optical image-forming system for T-type correlation antennas (TE), AO 17: 3884
- Optical Information Processing and Holography. By W. T. Cathey (B), Reviewed by Stark, Henry, AO 14: 2307
- Optical information processing experiments for undergraduate engineers (A), JOSA 66: 1131
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- Optical Information Processing, Volume 2. Edited by E. S. Barrekette, G. W. Stroke, Y. E. Nesterikhin, and W. E. Kock (B), Reviewed by Indebetouw, G., AO 18: 148
- Optical interpolation with application to array processing (TE), AO 14: 363
- Optical logarithmic filtering using inherent film nonlinearity (E), AO 16: 2559
- Optical map transformations (A), JOSA 64: 545
- Optical optimization of the inversion of convolution products  $f = g * u$  when the unknown  $u$  is space-limited (T), AO 18: 1862
- Optical pattern recognition and clustering: Karhunen-Loeve analysis (TE), AO 15: 1584
- Optical pattern recognition on nonvertical imagery (TE), AO 16: 1955
- Optical phase measurement in real time (ET), AO 18: 3301
- Optical processing of pulsed Doppler and FM stepped radar signals (ET), AO 14: 1364
- Optical processing techniques in the quality control of micromechanics (E), AO 17: 911
- Optical rearrangement of light information transmitted through incoherent fiber bundles (A), JOSA 68: 1384
- Optical residue arithmetic: a correlation approach (TE), AO 18: 163
- Optical statistical classifiers using coherent and incoherent light (T), AO 18: 2737
- Optical storage of digital data, topical meeting (R), AO 13: 747
- Optical synthesis of nonlinear nonmonotonic functions (A), JOSA 65: 1177
- Optical transfer function synthesis: a geometrical optics approach (TE), AO 18: 2760
- Optimization of parameters in matched spatial filter synthesis (ET), AO 16: 1662
- Optimum matched filtering for signals in nonwhite multiplicative noise (A), JOSA 67: 1422
- Optimum processing of Fourier irradiance data in particle-size analysis (A), JOSA 65: 1177
- Parallel image transmission by a single optical fiber (ET), OL 2: 133
- Parallel matched filtering: minimization of the volume effect (T) (L), AO 15: 2632
- Passive remote sensing techniques for mapping water depth and bottom features (TE), AO 17: 379
- Pendulum mounted sensor (P), AO 18: 3554
- Perception and estimation of dot frequency (A), JOSA 68: 1414
- Perception of Displayed Information. Edited by Lucien M. Biberman (B), Reviewed by Lipkin, Bernice Sacks, AO 13: 6A18
- Performance evaluation of spatial light modulators (TE), AO 18: 2445
- Performing complex-valued data processing operations with incoherent light (A), JOSA 67: 1423
- Performing complex-valued linear operations on complex-valued data using incoherent light (T) (L), AO 16: 2611
- Periodic nonsinusoidal vibration: effects in matched filtering for detection of signals buried in noise of uniform spectral density (T), AO 14: 2940
- Photoconductor-thermoplastic image transducer (A), JOSA 67: 1383
- Planimetric analysis of color images using least-squares and related algorithms (T), JOSA 65: 191
- PLTZ matrix-type block data composers (E), AO 13: 347
- Position, rotation, and scale invariant optical correlation (ET), AO 15: 1795
- Position sensing in video disk read-out (A), JOSA 66: 1062
- Power-spectral densities for pictorial scenes: edges and  $1/f^2$  spectra (A), JOSA 69: 1450
- Practical multi-spectrum Hadamard transform spectrometer (ET), AO 14: 2533
- Presentation of halftone images on bilevel displays (A), JOSA 68: 1361
- Principles of broad-band coherent imaging (T), JOSA 67: 1015
- Processing optical data matrices (E), AO 17: 3412
- Production of color coded equidensities using nonlinear filtering (E), AO 16: 1951
- Properties of the terminated optical crossbar matrix (T) (L), AO 15: 2950
- Pupil function replication in OTF synthesis (TE), AO 18: 44
- Qualitative and semiquantitative Fourier transformation using a noncoherent system (E), AO 18: 3152
- Quality control of small mechanical pieces using optical correlation techniques (ET), AO 15: 516
- Real-time nonlinear processing with halftone screens (A), JOSA 68: 1361
- Real-time optical correlation (E), AO 14: 2602
- Real-time optical correlation of 3-D scenes (E), AO 16: 149
- Real-time optical phase measurement (A), JOSA 68: 1414
- Real-time optical signal processors employing optical feedback amplitude and phase control: comment (TE) (L), AO 16: 26
- Real-time optical subtraction of photographic imagery for difference detection (ET), AO 15: 871
- Real-time recording medium: photodichroic KF-LIF (E), AO 17: 1550
- Reconstructions of images of partially coherent objects from samples of mutual intensity (TE), JOSA 67: 796
- Reduction of the number of samples in computer holograms for image processing (T) (L), AO 13: 718
- Restoration of astigmatism and curvature of field (TE), JOSA 65: 712
- Rotation encoder and sensor (P), AO 18: 3521
- Sampling theorems in polar coordinates (T), JOSA 69: 1519
- Signal-detection tradeoff-analysis of optical vs digital Fourier transform computers (T), AO 18: 36
- Simple holographic permanent memory system (T), AO 17: 3722
- Smoothing of irradiance spectra with finite-bandwidth windows, with application to particle-size analysis (T), JOSA 65: 1436
- Sources of correlation degradation (ET), AO 16: 1652
- Space-variant ambiguity function processor (TE), AO 18: 1869
- Space-variant image restoration by coordinate transformations (TE), JOSA 64: 138
- Space-variant processing of 1-D signals (TE), AO 16: 739
- Spatial filtering in speckle (T), OL 4: 99
- Spatial frequency filtering and its application to microscopy (ET), AO 16: 2264
- Spatial signal feedback amplifier (A), JOSA 66: 1131
- Speckle removal by optical and digital processing (A), JOSA 66: 177
- Spin-scan images of Saturn from Pioneer II: distortion correction (A), JOSA 69: 1450
- Statistical spatial filtering: application to aerial photographs (ET), AO 17: 3395
- Subtraction of images with incoherent illumination in real time (ET) (L), AO 16: 3086
- Suprathreshold information processing in the visual system: prediction of line darkness as a function of width from a preliminary visual model (A), JOSA 67: 1411
- Surface wave delay line acoustooptic devices for signal processing (ET), AO 18: 2767
- Synchronous dual-channel optical spectrum analyzer (T) (L), AO 18: 1297
- Synthesis of an autostereoscopic 3-D image from binocular stereoscopic images (ET), AO 18: 469
- Synthetic-aperture optical-radar techniques (A), JOSA 64: 541
- Technique of incoherent optical processing (A), JOSA 68: 1414
- Techniques in one-dimensional space-variant processing (A), JOSA 67: 1423



- Television-optical operational amplifier (ET), AO 18: 2754
- Temporal modulation in noncoherent optical data processing (E) (L), AO 13: 997
- Time- and space-integrating spectrum analyzer (T) (L), AO 18: 3203
- Time-integrating acousto-optic correlator (A), JOSA 65: 1178
- Two-dimensional coherent space-variant processing using temporal holography: processor theory (T), AO 18: 3670
- Two-pupil synthesis of optical transfer functions (T), AO 17: 1141
- Ultrasonic Imaging and Holography: Medical, Sonar and Optical Applications. Edited by G. W. Stroke, W. S. Kock, *et al.* (B), Reviewed by Hildebrand, B. P., AO 13: 2957
- Use of nonlinear optical elements in optical information processing (A), JOSA 64: 545
- Wavelength multiplexing with white light (A), JOSA 69: 1435
- White-light information processing (A), JOSA 67: 1423
- White-light interferometry and phase-locked pulse analysis (T), OL 1: 56
- White light optical processor for edge enhancement and spectral filtering (TE), AO 18: 1679
- White light pseudocolor encoder (A), JOSA 68: 1415
- Wide-band frequency-modulation system using optical techniques (ET), AO 18: 1249
- Wide-band spectrum analysis with area modulation (TE), AO 18: 460
- Wideband spectrum analysis with area modulation: comment (T) (L), AO 18: 2540
- Wideband spectrum analysis with area modulation: authors' reply to comment (TE) (L), AO 18: 2541

## Information retrieval

- Degradation of holographic images due to depolarization of reflected light (TE), JOSA 68: 931
- Design considerations for large on-line optical mass memories (A), JOSA 68: 1362
- Deterministic analysis of the maximum entropy image restoration method and of some related methods (T), JOSA 67: 1154
- Distortion minimization in cartographic storage and retrieval (A), JOSA 66: 1123
- Hologram writer using a plasma display panel (E), AO 13: 819
- Holographic information retrieval system (E), AO 13: 869
- Information scanning technology: applications of cw AlGaAs injection lasers (E), AO 15: 1425
- Laser optical system of the IBM 3800 printer (A), JOSA 66: 381
- Microfiche layout and positioning mechanism therefor (P), AO 16: 13
- Optical data storage using PPM and PWM (TE), AO 14: 2217
- Optical reader (P), AO 13: 9A26
- Optical storage of digital data, topical meeting (R), AO 13: 747
- Properties of (Se,S)-based chalcogenide glass films, and an application to a holographic supermicrofiche (E), AO 14: 3073
- Representation of observable signals in Chebyshev polynomials: application to phase-sensitive detection (T), JOSA 69: 978
- Self-tracking optical data storage and retrieval system (A), JOSA 69: 1481
- Sequential information retrieval from holograms (E), AO 15: 2698
- Trends in storage of digital data (R), AO 13: 749

## Information storage

- See also Data storage
- Bulk diffraction effects in silver halide (sensitized) gelatin (A), JOSA 68: 1396
- Control of film characteristics by modulating intensity and space (T), JOSA 68: 1118
- Control of pit geometry on video disks (A), JOSA 69: 1473
- Control of pit geometry on video disks (ET), AO 18: 3198
- Data recording using one-dimensional holography (A), JOSA 65: 1224
- Design considerations for large on-line optical mass memories (A), JOSA 68: 1362
- Dichromated gelatin for the fabrication of holographic optical elements (E), AO 18: 2407
- Diffraction theory of laser read-out systems for optical video discs (T), JOSA 69: 4

- Diffraction theory of laser read-out systems for optical video discs (T), JOSA 69: 4
- Direct recording and reconstruction of 3-D x-ray images (ET), AO 17: 3125
- Distortion minimization in cartographic storage and retrieval (A), JOSA 66: 1123
- Dynamically produced refractive-index variations with thickness of volume holograms in electrooptic crystals (T), AO 15: 3021
- Electrooptic device (P), AO 16: 279
- Electro-optic imaging system (P), AO 15: 2608
- Error rates in computer-generated holographic memories (T), AO 14: 1690
- Experimental holographic read-write memory using 3-D storage (E), AO 13: 808
- Fourier color holograms for archival image storage—a progress report (A), JOSA 69: 1403
- Highly sensitive light-induced memory effect with amorphous Se-SnO<sub>2</sub> heterojunction (E), AO 13: 799
- High speed holographic digital recorder (ET), AO 13: 841
- Holographic associative memory and processor (T), AO 14: 1088
- Holographic data store (A), JOSA 64: 543
- Holographic memory having spherical recording medium (P), AO 15: 2609
- Holographic page synthesis for sequential input of data (E), AO 13: 896
- Holographic process for the real-time storage and retrieval of high speed digitally encoded information (P), AO 17: 2260
- Holographic recording of information concerning radiative wave fields (A), JOSA 65: 1219
- Holographic storage in U-doped LiNbO<sub>3</sub> (E), AO 14: 2453
- Holographic voice response storage (A), JOSA 66: 1062
- Holoscan: a commercial holographic ROM (E), AO 13: 1345
- Imaging characteristics of the Itek PROM (E), AO 13: 2052
- Improved thermoplastic-photoconductor devices for holographic recording (E), AO 13: 2934
- Information capacity of images with speckle noise (A), JOSA 68: 1362
- Injection laser writing on chalcogenide films (E), AO 13: 795
- KCl:K prepared for highly efficient holographic storage (E) (L), JOSA 67: 1691
- Keystone compensation for image storage systems (T), AO 15: 1626
- Laser beam reading of video records (T), AO 17: 2029
- Laser beam recording of video master disks (E), AO 17: 2001
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- Laser recording at Harris Corporation (A), JOSA 67: 1403
- Laser recording with truncated Gaussian beams (T), AO 18: 2143
- Linear recording condition in multirecording telecine system (T), AO 13: 2040
- Low charge-voltage frost recording on a photosensitive thermoplastic medium (E) (L), AO 14: 2054
- Magnetic-Bubble Memory Technology. By Hsu Chang (B), Reviewed by Bobeck, A. H., AO 18: 3850
- Magnetic materials for optical recording (R), AO 13: 767
- Mastering and replication of optical videodisks (A), JOSA 66: 379
- Multistate optoelectronic analog and digital integrated circuits (A), JOSA 64: 543
- Nematic liquid crystal 1024 bits page composer (TE), AO 13: 1355
- Noise in a video disk system: experiments with an (AlGa)As laser (E), AO 17: 2007
- Non-photographic, digital laser image recording (P), AO 17: 1471
- Optical and thermal aspects of the design of laser recording structures (A), JOSA 67: 1403
- Optical data storage potential of six materials (E), AO 13: 761
- Optical data storage using PPM and PWM (TE), AO 14: 2217
- Optical information channels: page-accessed and bit-accessed (T) (L), AO 14: 821
- Optical information retrieval apparatus (P), AO 15: 2944
- Optical memory with improved signal-to-noise ratio (P), AO 15: 1359
- Optical sensitization and development of liquid crystalline devices (P), AO 16: 2788
- Optical storage and retrieval of cartographic information (A), JOSA 66: 1063
- Optical storage apparatus and process (P), AO 16: 799
- Optical video disks with undulating tracks (ET), AO 17: 2022
- Optimum thickness of MnBi films for magneto-optical memory (E), AO 13: 779
- Philips MCA videodisc system (A), JOSA 66: 379
- Philips MCA videodisc system and special purpose applications (A), JOSA 66: 379
- Photochromic salicylideneaniline as storage medium for interferometry and high speed recording (E), AO 13: 861
- Photodichroic recording and storage material (ET), AO 15: 815
- Photosensitive characteristics of the optical information storage element using *M* centers in NaF crystals (E), AO 17: 3391
- PLTZ matrix-type block data composers (E), AO 13: 347
- Position sensing in video disk readout (ET), AO 17: 2013
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- Properties of (Se,S)-based chalcogenide glass films, and an application to a holographic supermicrofiche (E), AO 14: 3073
- Pulsed infrared holography on wax films (A), JOSA 68: 1442
- Pulse-signal analysis using a PROM device and a Bragg-cell spectrum analyzer (A), JOSA 65: 1178
- Recent progress in magneto-optical memories (A), JOSA 67: 1403
- Recording unidimensional holograms with reduced positional sensitivity during readout (P), AO 16: 799
- Resolution chart stored in a PLTZ ceramic plate by means of a photoferroelectric effect (N), AO 16: 93
- Role of optical memories in computer storage (R), AO 13: 755
- Sandwich holography for storing information interferometrically with a high degree of security (E), AO 18: 2017
- Sequential information retrieval from holograms (E), AO 15: 2698
- Simplified diffraction theory of the video disk (T), AO 17: 2037
- Stacked optical memories (T), AO 13: 341
- Storage density limitation of a volume-type hologram memory: theory (TE), AO 15: 550
- Submillisecond development of thermoplastic recordings (E) (L), AO 13: 2471
- Synthesis of average film transmission functions (TE), JOSA 68: 1113
- System of selection and display of graphical data by holography (P), AO 14: 1041
- Thermoplastic-photoconductor tape for optical recording (ET), AO 17: 2802
- Three-dimensional color information storage on 35 mm roll film by composite holography (A), JOSA 64: 1396
- Trends in storage of digital data (R), AO 13: 749
- Use of heterostructure diode lasers in video disk systems (E), AO 17: 863
- Video disk player optics (ET), AO 17: 1993
- Volume holograms in photochromic materials (T), AO 14: 2456
- Wideband holographic recorder (E), AO 13: 832

## Information theory

- Degrees of freedom, and eigenfunctions, for the noisy image (T), JOSA 64: 1498
- Degrees of freedom of an optical image in coherent illumination, in the presence of aberrations (T), JOSA 65: 495
- Degrees of freedom of images from point-like-element pupils (T), JOSA 64: 453
- Integral equations for incoherent imagery (T), JOSA 64: 1237
- Intermodulation spatial-bandwidth-reduction method in offset-reference holography (TE), JOSA 65: 1007
- Minimum-bias spectral estimation with a coherent optical spectrum analyzer (T), JOSA 65: 425
- Optical-mechanical line-scan imaging process: its information capacity and efficiency (T), AO 14: 2508
- Optics and Information Theory. By Francis T. S. Yu (B), Reviewed by Roetling, Paul G., JOSA 67: 1289



Probability distribution of the sum of  $N$  complex random variables (T), JOSA 67: 181  
 Smoothing of irradiance spectra with finite-bandwidth windows, with application to particle-size analysis (T), JOSA 65: 1436

## Infrared

Absorption coefficients for fourteen gases at CO<sub>2</sub> laser frequencies (E) (L), AO 15: 1688  
 Acoustoelectric domain induced transparency in tellurium at 11  $\mu\text{m}$  (E), AO 16: 2961  
 Adiabatic pressure dependence of the 2.7 and 1.9  $\mu\text{m}$  water vapor bands (E), JOSA 67: 1532  
 Advanced infrared technology, short course, Univ. Michigan, 15-19 Jul 1974 (N), AO 13: 1170  
 Aerial infrared surveys of power-plant thermal discharges (A), JOSA 64: 1405  
 Aerosol distributions in maritime air and predicted scattering coefficients in the infrared (T), AO 16: 654  
 Aerosol droplet size and concentration from simple transmittance measurements (TE), AO 15: 2454  
 Aging of optical properties of polished copper mirrors (E) (L), AO 16: 2035  
 Aircraft observations of the infrared emission of the atmosphere in the 700-2800-cm<sup>-1</sup> region (ET), AO 13: 1466  
 Airglow events visible to the naked eye (E), AO 18: 3390  
 Analysis of a novel ellipsometric technique with special advantages for infrared spectroscopy (T), JOSA 65: 25  
 Analysis of infrared reflectivity in the presence of asymmetrical phonon line (A), JOSA 67: 255  
 Analysis of laser calorimetric data (ET), AO 16: 2837  
 Analysis of radiative properties of warm clouds at infrared wavelengths (A), JOSA 67: 261  
 Analysis of window interferograms using MTF criteria (A), JOSA 69: 1419  
 Analyzing spectral data: use of a graphics display terminal (E) (L), AO 17: 993  
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 Anti-condensation device for infrared detector (P), AO 13: 1976  
 Approximation to the incomplete gamma function for strong-line absorbance model (T) (L), AO 15: 19  
 Array type charge extraction device for infra-red detection (P), AO 17: 1474  
 Artifact analysis and correction in a scanning infrared system (A), JOSA 66: 1124  
 Assessment of Ge-As-Se 8-12  $\mu\text{m}$  infrared optical glasses for applications in thermal imaging systems (A), JOSA 67: 255  
 Atmospheric Transmittance and Radiance: Methods of Calculation. By Anthony J. LaRocca and Robert E. Turner (B), Reviewed by Howard, John N., AO 15: A159  
 Attenuated-total-reflection spectral linewidth: analysis of surface-polariton dispersion relations and damping rates (TE), JOSA 64: 350  
 Attenuation-calibration system (A), JOSA 66: 1096  
 Aurorally enhanced infrared emissions (E), AO 18: 3394  
 Balloon-borne infrared telescope for absolute surface photometry of the night sky (E), AO 16: 3125  
 Beam splitter and reflection reducing coatings on ZnSe for 3-14  $\mu\text{m}$  (ET), AO 18: 1966  
 Bivariate distribution, correlation, and transformation properties of two-color infrared systems (T), AO 13: 1238  
 Bolometric laser power meter for sensitive measurements in the IR-vacuum UV spectral range (E) (L), AO 17: 2268  
 Broadband antireflection coating for germanium in the infrared (E) (L), AO 13: 1274  
 Broadband polarization rotator for the infrared (ET), AO 16: 1082  
 Broadly tunable picosecond infrared source (E), OL 4: 325  
 Bulk and surface calorimetric measurements at CO wavelengths (E), AO 16: 2914  
 Calibration of infrared instruments for the remote sounding of atmospheric temperature (E), AO 16: 319  
 Calibration of long wavelength Exotech model 20C spectroradiometer (E), AO 18: 2334

Carbon dioxide laser beam shaping with computer generated holograms (E) (L), AO 15: 2959  
 Christiansen effect in IR spectra of soil-derived atmospheric dusts (TE), AO 18: 3610  
 Classical dispersion theory applied to the infrared reflectance of calcite, dolomite, and limestone (A), JOSA 68: 1403  
 Comparison of calculated and experimental transmission spectra of H<sub>2</sub>O between 330 and 635 cm<sup>-1</sup> (A), JOSA 68: 1425  
 Comparison of Fourier and laser spectroscopy in the far-infrared-submillimeter range (E) (L), AO 18: 2349  
 Complex 8-13 micron targets (A), JOSA 66: 1097  
 Complex refractive index in the infrared for NaCl, NaNO<sub>3</sub>, and NaHCO<sub>3</sub> in water (E), JOSA 66: 830  
 Complex refractive index of limestone in the visible and infrared (E), AO 17: 353  
 Complex refractive indices in the infrared for selected oils and alcohols (A), JOSA 68: 1403  
 Complex refractive indices in the infrared for H<sub>3</sub>PO<sub>4</sub> in water (A), JOSA 68: 1404  
 Computer Programs for Infrared Spectrophotometry. Edited by R. Norman Jones *et al.* (B), Reviewed by Priest, Richard G., AO 17: 3856  
 Controlled generation and absolute calibration of radiant incidence in low-background test facilities for infrared space sensors (ET), AO 14: 1021  
 Cryogenically cooled infrared telescopes on the Space Shuttle (A), JOSA 68: 1430  
 Cryogenic application for graphite and glass fiber composites in an orbiting infrared telescope (A), JOSA 68: 1430  
 Cryogenic infrared grating spectrometer (E), AO 14: 1116  
 Cryogenic refractive indices and temperature coefficients of cadmium telluride from 20 to 300 K (A), JOSA 68: 1397  
 Cryogenic refractive indices and temperature coefficients of cadmium telluride from 6  $\mu\text{m}$  to 22  $\mu\text{m}$  (E), AO 18: 3114  
 Cryogenic temperature IR refractive indices of cesium bromide and cesium iodide (E), AO 18: 3116  
 Cryogenic temperature infrared refractive indices of cesium bromide and cesium iodide (A), JOSA 68: 1366  
 Derivatives of 6.3  $\mu\text{m}$  water-vapor-band (ET), JOSA 64: 1119  
 Detection of infrared radiation, short course, Univ. California, Santa Barbara, 5-9 Aug 1974 (N), AO 13: 7A15  
 Detection of Optical and Infrared Radiation. By R. H. Kingston (B), Reviewed by Zook, J. David, AO 18: A180  
 Detection probabilities for fluctuating infrared targets (T), AO 14: 61  
 Determination of vibration-rotation line strengths for HF and DF by use of an HF/DF cw laser (E), JOSA 64: 1162  
 Diamond turning and polishing of infrared optical components (E) (L), AO 15: 27  
 Doppler-limited molecular spectroscopy by difference-frequency mixing (E), JOSA 64: 1683  
 Dynamics of thin-film thermal detectors in infrared imaging systems. 2: Imaging of fixed and moving objects (T), AO 14: 1177  
 Economic infrared polarizer utilizing interference effects in films of polyethylene kitchen wrap (TE), AO 15: 1034  
 Edison the scientist, AO 18: 3736  
 Effective infrared optical depths associated with the clear ocean (T), AO 17: 3054  
 Effect of anomalous dispersion by water vapor on C<sub>2</sub>n for IR propagation (A), JOSA 68: 1425  
 Effect of carbon dioxide on accuracy of infrared scanning systems (A), JOSA 69: 1401  
 Effect of the shuttle contaminant environment on a sensitive infrared telescope (R), AO 16: 2051  
 Electronic countermeasure device (P), AO 18: A113  
 Emission spectrum of nitric oxide between 5  $\mu\text{m}$  and 7  $\mu\text{m}$  (E) (L), AO 15: 599  
 Experimental absolute transition probabilities of lines from the 3d<sup>3</sup>(3/2)<sub>2</sub> level of Ne I (E), JOSA 67: 1327  
 Experimental test of an infrared phase conjugation adaptive array (E), JOSA 67: 269  
 Extension of microwave detection and frequency measurements into the optical region (A), JOSA 64: 1379

Fabrication and performance of intrinsic germanium photodiodes (E) (L), AO 16: 800  
 Fabrication of a shallow, reflective infrared (10.6  $\mu\text{m}$ ) diffraction grating by ionic polishing and ruling (A), JOSA 64: 538  
 Far-infrared laser magnetic resonance of free radicals (A), JOSA 67: 1387  
 Far IR emission from  $n$ -type Hg<sub>0.6</sub>Cd<sub>0.2</sub>Te in elastic fields (A), JOSA 67: 255  
 Fast infrared laser detector using surface ionization (A), JOSA 68: 1442  
 Filters for  $\nu_2$  band of CO<sub>2</sub>: monitoring and control of layer deposition (R), AO 15: 2736  
 Flexible, infrared transmissive waveguides at 10.6  $\mu\text{m}$  (A), JOSA 66: 1102  
 Focal plane temperature stability requirements for thermal imaging systems using extrinsic Si:In detectors (T), AO 18: 2598  
 Fourier transform spectroscopy measurements of long-path atmospheric absorption (A), JOSA 68: 1425  
 Fundamentals of infrared technology course, Univ. Michigan, 8-12 Jul 1974 (N), AO 13: 865  
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 Hemi-ellipsoidal mirror infrared reflectometer: development and operation (ET), AO 15: 940  
 High-accuracy Doppler-limited 10<sup>6</sup> samples Fourier transform spectroscopy (E), AO 17: 1322  
 High density infrared detector array (A), AO 17: 2261  
 High-efficiency pulsed 10.6- $\mu\text{m}$  phase-conjugate reflection via degenerate four-wave mixing (E), OL 3: 82  
 High intensity modulated infrared radiation source (P), AO 14: A77  
 High-resolution electronic emission spectrum of molecular nitrogen at 15300 Å (E), JOSA 68: 432  
 High resolution Fabry-Perot spectrometer for infrared astronomy (E), AO 18: 641  
 High resolution Michelson interferometer for airborne infrared astronomical observations. 1: Concept and performance (E), AO 16: 1834  
 High resolution Michelson interferometer for airborne infrared astronomical observations. 2: System design (E), AO 16: 1841  
 High-resolution spectroscopy of combustion gases using a tunable IR diode laser (E) (L), AO 16: 2045  
 High speed infrared detector (P), AO 17: 2261  
 High-transparency infrared materials (A), JOSA 65: 1169  
 Holographie en infrarouge sur de minces couches d'huile (E), AO 17: 3622  
 How window emittance degrades the performance of airborne infrared imaging systems (A), JOSA 65: 1169  
 Image rotation device for an infrared scanning system (P), AO 13: 2962  
 Improvements in time resolved Fourier spectroscopy (E), AO 17: 1342  
 Impurity absorption in CVD ZnSe (E), AO 16: 2902  
 Index-profile determination of heterostructure GaAs planar waveguides from mode-angle measurements at 10.6  $\mu\text{m}$  wavelength (TE), JOSA 65: 46  
 Infrared (10- $\mu\text{m}$ ) photography on wax films (E) (L), AO 18: 3076  
 Infrared absorption bands of  $\alpha$ - and  $\beta$ -pinenes in the 8-14- $\mu\text{m}$  atmospheric window region (E), AO 18: 3434  
 Infrared absorption by small amorphous quartz spheres (E), AO 13: 1586  
 Infrared absorption coefficient of H<sub>2</sub>SO<sub>4</sub> vapor from 1190 to 1260 cm<sup>-1</sup> (A), JOSA 67: 250  
 Infrared absorption coefficients of gaseous H<sub>2</sub>SO<sub>4</sub> and SO<sub>3</sub> (E) (L), AO 17: 975  
 Infrared absorption coefficient of H<sub>2</sub>SO<sub>4</sub> vapor from 1190 to 1260 cm<sup>-1</sup> (E), JOSA 67: 624  
 Infrared absorption in chemical laser window materials (E), AO 15: 1953  
 Infrared absorption in germanium and silicon (A), JOSA 67: 253  
 Infrared atmospheric transmission of laser radiation (T), AO 13: 56  
 Infrared band intensities in ammonium hydroxide and ammonium salts (E), JOSA 68: 429  
 Infrared bulk and surface absorption by nearly transparent crystals (ET), AO 15: 2075



- Infrared calibration device with simultaneous multitemperature capabilities (A), JOSA 68: 1366
- Infrared characterization of surfaces and coatings by internal-reflection spectroscopy (E), AO 17: 1776
- Infrared circular dichroism and linear dichroism spectrophotometer (E), AO 14: 454
- Infrared detection of flame-retardant finishes on cotton fabric (A), JOSA 64: 1363
- Infrared detection using delayed breakdown (E) (L), AO 18: 959
- Infrared detector Dewars: increased LN<sub>2</sub> hold time and vacuum jacket life spans (E) (L), AO 15: 836
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- Infrared emission spectrum of neutral vanadium (V I) (E), JOSA 68: 235
- Infrared emissivity of single water droplets (L), AO 18: 4065
- Infrared emittance of fibrous materials (TE), AO 18: 2622
- Infrared gas-filter correlation instrument for in situ measurement of gaseous pollutant concentrations (ET), AO 15: 1222
- Infrared generation by nonlinear 4-photon mixing in germanium (A), JOSA 67: 255
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- Infrared heterodyne astronomy—applied quantum electronics (A), JOSA 68: 637
- Infrared heterodyne spectroscopy of atmospheric ozone (E) (L), AO 16: 526
- Infrared holograms recorded at 10.6  $\mu\text{m}$  and reconstructed at 0.6328  $\mu\text{m}$  (E) (L), AO 15: 2018
- Infrared holography using the thermochromic material Cu<sub>2</sub>HgI<sub>4</sub> (TE), AO 18: 2398
- Infrared horizon locator (P), AO 13: 1A26
- Infrared hot carrier diode mixer (ET), OL 1: 178
- Infrared image construction with computer-generated reflection holograms (E) (L), AO 16: 2798
- Infrared image converting device (P), AO 13: 2441
- Infrared imaging system (P), AO 13: 2440
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- Infrared intrusion detector (P), AO 13: 1977
- Infrared laser coatings bulletin (N), AO 18: 890
- Infrared lenses (P), AO 17: 1474
- Infrared light scattering from surfaces covered with multiple dielectric overlayers (T), AO 16: 2872
- Infrared long-baseline interferometry (A), JOSA 64: 522
- Infrared methane spectra between 1120 cm<sup>-1</sup> and 1800 cm<sup>-1</sup>: a new atlas (ET), AO 18: 3798
- Infrared multilayer interference filter manufacture: supposed longwave limit (E) (L), AO 18: 3368
- Infrared multilayer partial mirror effective from 1.3  $\mu\text{m}$  to 16  $\mu\text{m}$  (L), AO 18: 3370
- Infrared noise caused by turbulent flows (T), AO 17: 3911
- Infrared optical constants of sulfuric acid at 250 K (ET), JOSA 66: 122
- Infrared optical glasses for applications in 8-12- $\mu\text{m}$  thermal imaging systems (E), AO 16: 3000
- Infrared optical reflectivity of liquid metals (A), JOSA 67: 254
- Infrared photography at 5  $\mu\text{m}$  and 10  $\mu\text{m}$  (E) (L), AO 15: 1350
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- Infrared properties of thin films (A), JOSA 67: 252
- Infrared pyrometer for high-resolution surface-temperature measurements on rotating turbine blades (A), JOSA 66: 384
- Infrared radiation extinction sensitivity to the modified gamma distribution parameters for haze and fog droplet polydispersions (TE), AO 15: 2906
- Infrared radiation sensitive image pick-up device (P), AO 18: 2092
- Infrared radiometer for the Pioneer 10 and 11 missions to Jupiter (E), AO 13: 2623
- Infrared radiometer for the Pioneer Venus orbiter. 1: Instrument description (E), AO 18: 3893
- Infrared reflectance: independent measurements yield good agreement (E) (L), AO 15: 1124
- Infrared reflectance of silicon oxide magnesium fluoride protected aluminum mirrors at various angles of incidence from 8  $\mu\text{m}$  to 12  $\mu\text{m}$  (T) (L), AO 14: 1247
- Infrared refractometer measurements of adhesives (E), AO 17: 3138
- Infrared scanners detect thermal gradients in building walls (N), AO 18: 2699
- Infrared spectral radiance of a hot source through an atmospheric path (T) (L), AO 15: 2613
- Infrared Spectra of Surface Compounds. By A. V. Kiselev and V. I. Lygin (B), Reviewed by Williams, Dudley, JOSA 66: 505
- Infrared spectrometer: liquid-helium-cooled rocketborne circular-variable filter (E), AO 14: 3086
- Infrared spectroscopic studies of transients (E), AO 17: 1347
- Infrared study of anomalous excitations in glasses (A), JOSA 67: 254
- Infrared technique for observation of supercooling (A), JOSA 67: 252
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- Infrared thermooptic coefficient measurement of polycrystalline ZnSe, ZnS, CdTe, CaF<sub>2</sub>, and BaF<sub>2</sub>, single crystal KCl, and Ti-20 glass (E), AO 16: 436
- Infrared transmitting glasses (P), AO 18: 3958
- Infrared transmitting moisture-protective coatings for alkali halides (A), JOSA 69: 1438
- Infrared transparent materials and components (A), JOSA 66: 383
- Infrared Twyman-Green interferometer (A), JOSA 67: 1365
- Infrared upconversion for astronomical applications (TE), AO 15: 961
- Infrared video camera at 10  $\mu\text{m}$  (E), AO 18: 2607
- Infrared vidicon (P), AO 15: 1360
- Infrared vidicon technique for measuring thermal lensing from laser windows (E) (L), AO 13: 726
- Infrared-XUV telescope for multipurpose applications (T), AO 16: 244
- In situ laser reflectance measurement of diffuse surfaces (E), AO 17: 2335
- Interference filters: single crystal multilayer AlAs-GaAs (E), AO 15: 1256
- Interpretation of IR scanning radiometer data (E), AO 18: 82
- Intrusion detector (P), AO 15: 1671
- Investigations of laser-induced thermal lensing and interference from infrared transmitting materials (E) (L), AO 13: 729
- Ion implanted photodiode detectors in epitaxial (Ga<sub>x</sub>In<sub>1-x</sub>)As (E), AO 14: 2905
- Irreversible laser damage in IR detector materials (A), JOSA 67: 254
- Johnson noise limited operation of photovoltaic InSb detectors (ET), AO 14: 450
- Kramers-Kronig dispersion analysis of LiF reflectance data obtained at ambient and low temperatures (ET), JOSA 64: 1450
- Laser-damage resistant coatings for the 16- $\mu\text{m}$  region (E) (L), AO 17: 3858
- Laser focal shift monitor (E) (L), AO 15: 2022
- Laser induced damage in optical materials: 7th ASTM symposium (R), AO 15: 1510
- Laser, infrared wavelength-tunable (P), AO 13: 214
- Laser optoacoustic absorption spectra for various explosive vapors (E), AO 17: 2097
- Laser optoacoustic detection of explosive vapors (E), AO 15: 1506
- Least-mean-square spatial filter for IR sensors (T), AO 18: 4210
- Light scattering from surfaces of infrared optical components (A), JOSA 67: 254
- Liquid crystalline image converter (P), AO 15: 2609
- Long path air spectra (E) (L), AO 16: 1477
- Long-path high-resolution field measurements of absolute transmission in the 3.5- to 4.0- $\mu\text{m}$  atmospheric window (E), OL 1: 121
- Long-wave infrared afocal zoom telescope (P), AO 16: 13
- Low-background infrared measurement facility (A), JOSA 68: 1430
- Low-background large-aperture infrared measurement facility: design considerations (T), AO 17: 3541
- Low-background large-aperture infrared measurement facility: performance (E), AO 17: 3547
- Lowtran 3B performance in the infrared windows of the atmosphere (A), JOSA 68: 1424
- Magneto-optical properties of bound-state transitions, and applications (TE), JOSA 65: 1261
- Marine boundary layer refractive effects in the infrared (E) (L), AO 18: 2532
- Mass absorption indices of various types of natural aerosol particles in the infrared, AO 14: 2851
- Materials processing with CO<sub>2</sub> laser holographic scanner systems (TE), AO 17: 3727
- Measured and predicted atmospheric transmission in the 4.0-5.3- $\mu\text{m}$  region, and the contribution of continuum absorption by CO<sub>2</sub> and N<sub>2</sub> (TE), AO 18: 2454
- Measured spatial variations of transmittance and emissivity of infrared windows (A), JOSA 65: 1169
- Measurement of the infrared optical properties of aerosols (A), JOSA 68: 1358
- Measurement of transmission of infrared lenses (E) (L), AO 13: 469
- Measurement of very low absorption coefficients by laser calorimetry (E), AO 14: 1128
- Measurements of the infrared properties of aerosols (A), JOSA 67: 258
- Measuring the infrared absorption in thin film coatings (E), AO 16: 2843
- Measuring the refractive index and its change with temperature in the infrared (E), JOSA 65: 1264
- 10.6  $\mu\text{m}$  Ellipsometer measurements of refractive indices of IR materials (A), JOSA 67: 252
- Mercury cadmium selenide infrared detector materials (A), JOSA 67: 253
- Michelson interferometer with frustrated-total-internal-reflection beam splitter (TE), JOSA 65: 124
- Mixed fluorides for mid-IR laser windows (A), JOSA 67: 253
- Monolithic photoconductive detector array (P), AO 15: 2947
- Multichannel infrared receiver performance (TE), AO 18: 1567
- Multilayer dichroic mirrors for the 16- $\mu\text{m}$  spectral region: their design and fabrication (E), AO 18: 3127
- Multilayer edge filter for the 3.2-4.9- $\mu\text{m}$  range (ET), AO 17: 2648
- Multiplexing infrared camera (A), JOSA 64: 1360
- Nanosecond photography at 10.6  $\mu\text{m}$  using silver halide film (E), AO 18: 2422
- Narrow-bandwidth tunable infrared difference-frequency generation at high repetition rates in LiIO<sub>3</sub> (E), AO 14: 653
- Near infrared astronomical light collector (E), AO 16: 1817
- Near infrared wide-band spectroscopy with 27-MHz resolution (E), AO 16: 2097
- Neutral density filters by co-evaporated Ag and SiO<sub>2</sub> films for near IR radiation (E), AO 18: 1460
- New 10- $\mu\text{m}$  infrared interferometer and its applications (E), AO 14: 890
- New trends in the application of Fourier transform infrared spectroscopy to analytical chemistry (ET), AO 17: 1400
- Nimbus-6 earth radiation budget experiment (E), AO 16: 306
- Nimbus-5 ITPR experiment (E), AO 13: 499
- Noise-equivalent power and response time of TiSe bolometer at 1.5 K (TE), JOSA 65: 831



- Nonlinear absorption of  $\text{SF}_6$  at high infrared intensities and high pressures (ET), AO 16: 1187
- Optical activity of tellurium to 20  $\mu\text{m}$  (E) (L), JOSA 65: 217
- Optical and Infrared Detectors. Edited by R. J. Keyes (B). Reviewed by Boyd, Robert W., JOSA 68: 1649
- Optical coatings for high energy ZnSe laser windows (ET), AO 13: 2075
- Optical constants from the far infrared to the x-ray region: Mg, Al, Cu, Ag, Au, Bi, C, and  $\text{Al}_2\text{O}_3$  (E) (L), JOSA 65: 742
- Optical constants in the infrared for  $\text{K}_2\text{SO}_4$ ,  $\text{NH}_4\text{H}_2\text{PO}_4$ , and  $\text{H}_2\text{SO}_4$  in water (E), JOSA 64: 39
- Optical constants of ammonium sulfate in the infrared (E), JOSA 67: 186
- Optical constants of cupric sulfate in the infrared (E), JOSA 67: 499
- Optical constants of  $\text{D}_2\text{O}$  in the infrared (E), JOSA 68: 815
- Optical constants of liquid methane in the infrared (E), JOSA 68: 186
- Optical constants of minerals and rocks (ET), AO 14: 2914
- Optical constants of solid ammonia in the infrared (E), JOSA 65: 432
- Optical constants of water in the infrared: Influence of temperature (ET), JOSA 67: 494
- Optically stabilized power supply for mercury arc lamp far IR sources (L), AO 15: 308
- Optical polishing and cleaning of press-forged (polycrystalline)  $\text{CaF}_2$  and  $\text{SrF}_2$  IR laser windows (E) (L), AO 18: 957
- Optical properties of highly transparent solids, an international conference, Waterville Valley, New Hampshire, 3-5 Feb 1975 (M), Reported by Mitra, S. S.; Bendow, Bernard, AO 14: 1473
- Optical properties of sea water in the infrared (E), JOSA 66: 554
- Optical properties of  $\text{Ti}_2\text{SeAs}_2\text{Te}_3$  amorphous chalcogenide glass in the range 2 to 10.6  $\mu\text{m}$  (A), JOSA 68: 1396
- Optical properties of water in the near infrared (E), JOSA 64: 1107
- Optical science and engineering short course, Tucson, 3-13 Jan 1978, AO 16: 2805
- Optimization of prism coupling efficiency for surface electromagnetic wave excitation in the infrared (E), AO 16: 1549
- Organo-metal absorbers for plasmonic materials (P), AO 14: 1747
- Parametric oscillator: hf oscillator-amplifier pumped CdSe parametric oscillator tunable from 14.1  $\mu\text{m}$  to 16.4  $\mu\text{m}$  (E), AO 15: 1322
- Passivation of mercury cadmium telluride semiconductor surfaces by anodic oxidation (P), AO 17: 1470
- Passive and/or active imaging system (P), AO 16: 13
- Passive infrared resolution target (P), AO 17: 2261
- Passive infrared sensors: limitations on performance (T), AO 15: 891
- Passive Q-switching of a  $\text{CO}_2$  laser by  $\text{CH}_3\text{F}$ : an analysis (ET), AO 16: 2757
- Penetration depth of 10.6- $\mu\text{m}$  radiation in Plexiglas (E) (L), AO 18: 1295
- Performance characteristics of single point diamond machined metal mirrors for infrared laser applications (E), AO 13: 2647
- Phonon-induced transparency of tellurium near 11  $\mu\text{m}$  wavelength (A), JOSA 67: 255
- Phosphor converter camera for near-infrared laser-beam profile recording (E), AO 18: 2136
- Photoacoustic air pollution detector at  $\text{CO}_2$  laser frequencies (ET), AO 18: 2938
- Photoelastic constants of potassium chloride at 10.6  $\mu\text{m}$  (ET), AO 16: 2925
- Pneumatic radiation detector (P), AO 18: 3713
- Polarization flipper for infrared laser beams: comment (E) (L), AO 16: 1489
- Pollution monitoring systems based on resonance absorption measurements of ozone with a "tunable"  $\text{CO}_2$  laser: some criteria (ET), AO 15: 340
- Practical multi-spectrum Hadamard transform spectrometer (ET), AO 14: 2533
- Pressure dependence of the water vapor continuum absorption in the 3.5-4.0- $\mu\text{m}$  region (E), AO 18: 1149
- Propagation of infrared light in flexible hollow waveguides (T), AO 15: 145
- Propagation of IR light in flexible hollow waveguides (T) (errata), AO 15: 2028
- Propagation of IR light in flexible hollow waveguides: further discussion (E), AO 15: 3037
- Propagation of modes in curved hollow metallic waveguides for the infrared (T), AO 16: 2163
- Propagation of Visible and Infrared Radiation in the Atmosphere. By V. E. Zuev (B). Reviewed by Derr, Vernon E., AO 14: 1238
- Propagation of Visible and Infrared Radiation in the Atmosphere. By V. E. Zuev (B). Reviewed by Strohbehn, John W., JOSA 66: 872
- Properties of cat-whisker antennas for He-Ne 3.39  $\mu\text{m}$  radiation (A), JOSA 69: 1428
- Properties of some infrared filters (E) (L), AO 16: 289
- Protected Al mirrors with high reflectance in the 8-12- $\mu\text{m}$  region from normal to high angles of incidence (E) (L), AO 17: 2125
- Pulsed HF laser holographic interferometry (E), AO 14: 628
- Pulsed IR holography on Takiwax films (E), AO 17: 3619
- Pulse laser damage in infrared materials (A), JOSA 67: 254
- Pyroelectric self-scanning infrared detector arrays (E) (L), AO 18: 943
- Pyroelectric vidicon: a new multichannel spectrometric infrared (1.0-30- $\mu\text{m}$ ) detector (ET), AO 17: 2489
- Radiation energy receiver (P), AO 17: 1470
- Radiometric and infrared nomenclature (N), AO 13: 1088
- Rapid spatially scanning IR heterodyne interferometer (E), AO 18: 615
- Recent applications of FT-IR spectroscopy to polymer systems (ER), AO 17: 1374
- Reflectance errors in infrared thermography (A), JOSA 69: 1401
- Reflectivity of metallic films in the infrared (T), JOSA 67: 908
- Refractive indices and temperature coefficients of germanium and silicon (E), AO 15: 2348
- Refractive index of Irtran 2 as a function of wavelength and temperature (E), AO 17: 1547
- Refractive index of Irtran 6 (hot-pressed cadmium telluride) as a function of wavelength and temperature (E), JOSA 65: 1267
- Refractive index of ZnSe at 3.8 and 10.6  $\mu\text{m}$  from 80 to 300 K (A), JOSA 68: 1397
- Refractive index of ZnSe at 3.8  $\mu\text{m}$  and 10.6  $\mu\text{m}$ , from 80 K to 300 K (E) (L), AO 18: 2085
- Refractive indices of IR materials: 10.6- $\mu\text{m}$  ellipsometer measurements (ET), AO 16: 2849
- Refractive properties of infrared laser window materials (A), JOSA 67: 254
- Remote measurement of gaseous pollutant concentrations using a mobile Fourier transform interferometer system (E), AO 18: 3404
- Residual absorption in infrared materials (A), JOSA 67: 253
- Residual absorption in infrared materials (R), AO 16: 2882
- Resolution and stray light in near infrared spectroscopy (E), AO 14: 1977
- Resonant infrared four-wave mixing in cryogenic liquids (A), JOSA 67: 1369
- Resonant phase-conjugate reflection and amplification at 10.6  $\mu\text{m}$  in inverted  $\text{CO}_2$  (E), OL 4: 140
- Retroreflectance measurements of photometric standards and coatings—II (A), JOSA 67: 252
- Room-temperature, thin-film, PbS photoconductive detector hardened against laser damage (P), AO 18: 2092
- Satellite observations of atmospheric water vapor (ET), AO 13: 507
- Scattering from micron-sized particles in the infrared (A), JOSA 64: 528
- Scattering properties of optical surfaces and baffle materials for infrared systems (A), JOSA 67: 254
- Second- and fourth-order nonlinear processes in chalcopyrites (A), JOSA 67: 255
- Semiconductor-based infrared integrated optics (A), JOSA 67: 255
- Sensitivity limits of an infrared heterodyne spectrometer for astrophysical applications (T), AO 15: 427
- Sensitivity limits of an infrared heterodyne spectrometer for astrophysical applications (errata), AO 16: 2793
- Silicon monolithic infrared detector array (ET), AO 16: 1525
- Silicon photodiode as a detector in the rocket-borne photometry of the near infrared airglow (E), AO 15: 2902
- Silicon vidicon spectrometry and its infrared capabilities for solar research (E), AO 15: 2884
- Small absorption coefficient measurement by calorimetric and spectral emittance techniques (E) (L), AO 13: 1741
- Spatially multiplexed infrared camera (TE), JOSA 65: 707
- Spectral characteristics and atmospheric  $\text{CO}_2$  absorption of the  $\text{Ho}^{+3}$ -YLF laser at 2.05  $\mu\text{m}$  (E) (L), AO 15: 865
- Spectral reference detector for the visible to 12- $\mu\text{m}$  region; convenient, spectrally flat (E), AO 15: 1865
- Spectrophone measurements of infrared laser energy absorption by atmospheric dust (A), JOSA 66: 1088
- Spectrophone measurements of infrared laser energy absorption by atmospheric dust (E), AO 15: 2546
- Spectroscopy at very high pressures. 23: Mid IR ultramicrospectroscopy with a gasketed diamond anvil cell (E) (L), AO 18: 594
- Statistical band model analysis and integrated intensity for the 11.8- $\mu\text{m}$  band of  $\text{CFCl}_3$  (E) (L), AO 15: 2305
- Statistical-band-model analysis and integrated intensity for the 21.8  $\mu\text{m}$  bands of  $\text{HNO}_3$  vapor (T), JOSA 65: 10
- Structural and IR properties of  $\text{Pb}_{1-x}\text{Hg}_x\text{S}$  thin films (A), JOSA 67: 254
- Structural and IR properties of  $\text{Pb}_{1-x}\text{Hg}_x\text{S}$  thin films (E), AO 16: 2945
- Submillimeter-wave atmospheric and astrophysical spectroscopy (R), AO 14: 470
- Sulfur as a proposed near infrared reflectance standard (E), AO 17: 2817
- Surface absorption in KCl and  $\text{CaF}_2$  at 2.8  $\mu\text{m}$  and 3.8  $\mu\text{m}$  (E) (L), AO 18: 2534
- Surface evaluation techniques and surface statistics for infrared optical materials (A), JOSA 67: 254
- Temperature analysis from multispectral infrared data (T), AO 15: 2099
- Temperature compensating focusing in infrared zoom lenses (P), AO 18: 3346
- Temperature dependence of absorptance in laser damage of metallic mirrors: I. Melting (T), JOSA 69: 847
- Temperature dependence of absorptance in laser damage of metallic mirrors: II. Vaporization and heating the vapor (T), JOSA 69: 859
- Temperature measurement technique for high-temperature gases using a tunable diode laser (ET) (L), AO 17: 2477
- Thallium selenide infrared detector (A), JOSA 67: 254
- Thallium selenide infrared detector (E), AO 16: 2942
- Theoretical atmospheric transmission in the mid- and far-infrared at four altitudes (T), AO 15: 364
- Theory and Practice of Infrared Spectroscopy. By N. L. Alpert, W. E. Keiser, and H. A. Szymanski (B). Reviewed by Katritzky, A. R., AO 13: 2177
- Thermal and photon infrared detectors guide (N), AO 17: 2175
- Thermal expansion of Irtran materials, from 30 to 250°C (A), JOSA 67: 1443
- Thermal imaging device (P), AO 16: 13
- Thermal imaging system (P), AO 18: 2092
- Thermal modulation transfer function analysis of pyroelectric device characteristics (TE), AO 15: 1767
- Thermodynamic derivatives of infrared absorptance (TE), JOSA 64: 1111
- Thermograph absolute temperature referencing technique (P), AO 16: 799
- Thermo-optical far infrared system (P), AO 18: 3872
- Thin film infrared channel spectra (E) (L), AO 13: 2465
- Thin films using leaky surface EM (SEM) and interference EM (IEM) waves in the infrared (A), JOSA 67: 255
- Tilt tunable ultra narrow-band filters for high resolution infrared photometry (E), AO 14: 765
- Time-resolved infrared spectral photography (E), OL 4: 103
- Time-resolved molecular excitation and heat effects induced by infrared radiation (E), AO 16: 1931
- Tl 1-KCl-Tl 1 AR coatings for KCl windows (A), JOSA 68: 1418



- Total absorption of *p*-polarized light by surface plasma waves (T), OL 3: 88
- Transfer of infrared radiation through clouds (ET), AO 13: 512
- Transformed world of industrial infrared analysis (E), AO 17: 1386
- Transmission at  $\lambda = 10.6\text{-}\mu\text{m}$  wavelength through the upper atmosphere (T), AO 17: 2316
- Transmission characteristics of infrared electro-optical waveguides (A), JOSA 66: 1101
- Trombay infrared pneumatic detector: theory of operational characteristics (TE), AO 17: 3472
- Tunable acousto-optical filter operation at 10  $\mu\text{m}$  (A), JOSA 68: 1449
- Tunable diode laser high resolution spectroscopic measurements of the  $\nu_2$  vibration of carbon dioxide (E), AO 14: 1120
- Tunable diode laser spectroscopic determination of  $\nu_3$  band center of  $^{14}\text{C}^{16}\text{O}_2$  at 4.5  $\mu\text{m}$  (ET) (L), AO 16: 3072
- Tunable diode laser spectroscopy of  $^{14}\text{CO}_2$ : absorption coefficients and analytical applications (E) (L), AO 16: 2350
- Tunable metal film filters as narrowband IR laser reflectors (TE), AO 15: 681
- Tunable near-infrared Raman oscillators and their applications (A), JOSA 67: 1361
- Tuning characteristics of the potassium and sodium vapor quantum counters (A), JOSA 69: 1428
- Unheated infrared four-bar test target (A), JOSA 66: 1097
- Variable beam attenuator for the infrared (TE) (L), AO 13: 17
- Variable contrast infrared and visible field test target (A), JOSA 68: 1366
- Variations in stoichiometry in  $\text{Hg}_{1-x}\text{Cd}_x\text{Te}$  using electrolyte electroreflectance: a topographical investigation (E), AO 16: 2858
- Vertical distribution of NO,  $\text{NO}_2$ , and  $\text{HNO}_3$  as derived from stratospheric absorption infrared spectra (ET), AO 14: 825
- Vertical inhomogeneity in atmospheric fog and haze and its effects on infrared extinction (A), JOSA 68: 540
- Viking infrared thermal mapper (E), AO 17: 1243
- Viking infrared thermal mapper (errata), AO 17: 2132
- Visual sensitivity of the eye to infrared laser radiation (E), JOSA 66: 339
- Vortex heat-exchanger cooling for infrared detectors (A), JOSA 64: 1360
- Vortex heat exchanger cooling for IR detectors (ET), AO 14: 2911
- Water cluster interpretation of IR absorption spectra in the 8–14- $\mu\text{m}$  wavelength region (T), AO 18: 2609
- Water vapor continuum absorption in the 3.5–4.1  $\mu\text{m}$  region (A), JOSA 66: 1088
- Water-vapor-continuum absorption measurements (3.5–4.0  $\mu\text{m}$ ) using HDO-depleted water (E), OL 1: 31
- Waveguides for delivering infrared laser power (A), JOSA 66: 381
- Wideband optical transmission properties of seven thermoplastics (A), JOSA 68: 1397
- Widely tunable infrared source by coherent Raman mixing in  $\text{H}_2$  (A), JOSA 66: 1126
- Windows  $\text{Cd}_2\text{SnO}_4$  (P), AO 14: A26
- World's largest operational infrared telescope, Jelm Mountain, Wyoming (N), AO 17: 3124
- Ytterbium glass laser, 1,024 nanometers (P), AO 13: 1A26
- Infrared, far**
- Additional cw FIR laser lines from optically pumped  $\text{CH}_2\text{F}_2$  (E), OL 4: 277
- All-reflection Michelson interferometer: analysis and test for far IR Fourier spectroscopy (TE), AO 17: 1739
- Balloon-borne far-infrared Michelson interferometer for atmospheric emission studies (E), AO 18: 346
- Calibration of far-infrared spectrometers in the 100–200- $\text{cm}^{-1}$  region with the  $\nu_5\text{-}\nu_4$  band of acetylene (E), AO 15: 419
- Capacitive-mesh output couplers for optically pumped far-infrared lasers (E), OL 3: 13
- Coherent far IR radiation from a line plasma (A), JOSA 67: 1425
- Collision-induced far-infrared absorption in helium-argon mixtures and nitrogen at high pressure (E), JOSA 67: 905
- Compact infrared heat trap field optics (ET), AO 17: 1107
- Composite bolometers for submillimeter wavelengths (E), AO 17: 1562
- Double-beam high resolution Fourier spectrometer for the far infrared (E), AO 14: 1987
- Double-beam modification for far infrared interferometers (E) (L), AO 13: 723
- Effects of buffer gases on an optically pumped  $\text{CH}_3\text{F}$  FIR laser (ET), JOSA 66: 362
- Evaporographic and pyroelectric image recording for two-dimensional plasma interferometry in the far infrared (E), JOSA 67: 975
- Far-infrared (10  $\mu\text{m}$ ) photography (A), JOSA 67: 1420
- Far-infrared and submillimeter-wave spectroscopy (A), JOSA 64: 533
- Far-infrared and submillimeter waves technical group presentation of the content Second International Conference and Winter School on Submillimeter Waves and Their Applications to be held at San Juan, Puerto Rico, 6–10 Dec 1976 (A), JOSA 66: 1138
- Far-infrared  $\text{CH}_3\text{F}$  Stark laser (E), OL 4: 9
- Far-infrared filters utilizing small particle scattering and antireflection coatings (E), AO 13: 425
- Far-infrared generation and applications (A), JOSA 64: 533
- Far-infrared high-resolution Fourier transform spectrometer: applications to  $\text{H}_2\text{O}$ ,  $\text{NH}_3$ , and  $\text{NO}_2$  lines (E), AO 15: 708
- Far infrared imagery (E), AO 15: 1919
- Far infrared laser resonator for TEM<sub>00</sub> mode operation (E) (L), AO 17: 1488
- Far-infrared laser system for detection of defects in polyethylene-insulated power cables (E), OL 2: 42
- Far infrared optical properties of selenium and cadmium telluride (E), AO 13: 1164
- Far infrared recombination radiation from *n*-type  $\text{Hg}_{1-x}\text{Cd}_x\text{Te}$  (E), AO 16: 2957
- Far-infrared spectra of dysprosium and terbium iron garnet (E), JOSA 64: 880
- Far-infrared studies in epitaxial films of III–V and IV–VI semiconductors (E), JOSA 67: 939
- Far-infrared study of excitons, electron-hole drops, and impurity systems in germanium (E), JOSA 67: 931
- Far-infrared-submillimeter spectroscopy of solids (A), JOSA 67: 1431
- Far infrared technical group (N), AO 13: 7A14
- Far-infrared thin-film beam splitters: calculated properties (T), AO 14: 2473
- Far infrared transmission and reflection of Irtan 1 through Irtan 6 at low temperatures (E), AO 13: 2716
- Far infrared transmission measurements with an optically pumped FIR laser (E) (L), AO 15: 2617
- Far-infrared transmittance of Tb, Ho, Tm, Er, and Yb orthoferrite (E), JOSA 65: 605
- Far IR laser with metal-dielectric waveguide to observe the Stark effect (E) (L), AO 15: 2023
- Fast-scanning far-infrared Fabry-Perot interferometer (E), AO 14: 460
- Free-standing fine-wire grids: their manufacture, performance, and use at millimeter and submillimeter wavelengths (E) (L), JOSA 67: 979
- Frequency coverage for submillimeter laser spectroscopy with optically pumped ( $\text{CH}_3\text{OH}$ ,  $\text{CH}_3\text{OD}$ ,  $\text{CD}_3\text{OD}$ , and  $\text{CH}_2\text{CF}_2$ ) (E), OL 1: 202
- Frequency measurement of the formic acid laser 311- $\mu\text{m}$  line (E) (L), AO 18: 1704
- Heat trap: an optimized far infrared field optics system (E), AO 15: 53
- High-intensity  $\text{CO}_2$  laser pumping of a  $\text{CH}_3\text{F}$  Raman FIR laser (E), OL 4: 381
- High performance at new FIR wavelengths from optically pumped  $\text{CH}_2\text{F}_2$  (E), OL 4: 280
- High-power tunable far-infrared generation in hydrogen halides (A), JOSA 68: 637
- High speed frequency modulation of far infrared lasers using the Stark effect (E), AO 16: 1893
- History of far-infrared research. I. The Rubens era (R), JOSA 67: 857
- History of far-infrared research. II. The grating era, 1925–1960 (R), JOSA 67: 865
- Hybrid metal mesh-dielectric mirrors for optically pumped far infrared lasers (E), AO 15: 761
- Interferometry from 1950 to the present (R), JOSA 67: 871
- Line shape cyclotron resonance in *n*-type germanium at 337  $\mu\text{m}$  in the temperature range 15–80 K (E), JOSA 67: 935
- Low-temperature far-infrared windows (E) (L), AO 13: 2773
- Martin-Puplett interferometer: an analysis (TE), AO 17: 1595
- Modulated submillimeter laser interferometer system for plasma density measurements (E), AO 15: 2645
- Mylar beam-splitter efficiency in far infrared interferometers: angle of incidence and absorption effects (ET), AO 17: 1055
- Narrow-bandpass interference filters for the far infrared (E), JOSA 67: 971
- Nonplanar wire polarizers for the far infrared (T) (L), AO 18: 420
- Optical constants of far infrared materials. 3: Plastics, AO 14: 1335
- Optical constants of metal oxides in the far infrared region (E) (L), AO 15: 859
- Optically pumped waveguide lasers (R), JOSA 67: 952
- Plexiglas: a convenient transmission filter for the FIR spectral region (T) (L), AO 14: 1054
- Polarization studies of far-IR radiation from a line-focus plasma (A), JOSA 68: 1389
- Present and future problems concerning lasers in the far-infrared spectral region (R), JOSA 67: 894
- Progress in far-infrared and submillimeter astronomy (A), JOSA 67: 1430
- Quick fast off-axis parabolas (E) (L), AO 17: 671
- Resolution of active long-wavelength imaging systems (A), JOSA 68: 1362
- Scaling laws for cw 337- $\mu\text{m}$  HCN waveguide lasers (E), AO 15: 3047
- Spectrometer for the far infrared (P), AO 15: 2608
- Spherical lamellar grating interferometer for airborne astronomical observations of far infrared objects (E), AO 16: 233
- Stannic oxide, a new FIR detector material? JOSA 67: 968
- Submillimeter-far-infrared spectroscopy in the liquid and solid states with a tunable optically pumped laser (E), JOSA 67: 911
- Submillimeter spectroscopy of TO-phonon mode softening in PbTe (E), JOSA 67: 943
- Submillimeter wave spectroscopy of the atmosphere (R), JOSA 67: 880
- Synchronous, mode-locked pumping of gas lasers (ET), OL 4: 6
- Temperature dependence of collision-induced absorption in gaseous  $\text{N}_2$  (TE), JOSA 69: 386
- Transformation de Fourier de  $\text{CH}_3\text{Br}$  et  $\text{CH}_3\text{Cl}$  dans l'infrarouge tres lointain (E), AO 13: 1158
- Tunable kilowatt  $^{12}\text{CH}_3\text{F}$ -laser emission from an unstable resonator (E), OL 3: 229
- Universal view scanner with LED (P), AO 13: 977
- Very-high-resolution far-infrared measurements of atmospheric emission from aircraft (E), JOSA 67: 917
- Water vapor absorption spectra of the upper atmosphere (45–185  $\text{cm}^{-1}$ ) (ET), AO 14: 2146
- Waveguides for submillimeter-wave lasers (R), JOSA 67: 959
- Institute of Optics**
- Institute of Optics 1929–1979: a brief commemorative, AO 18: 3223
- Integrated circuits**
- See also Integrated optics
- Multistate optoelectronic analog and digital integrated circuits (A), JOSA 64: 543
- Publication on design (N), AO 13: 2152
- Integrated optics**
- See also Couplers, Guided waves, Waveguides
- Aberration-corrected rounded-edge geodesic lenses (T), JOSA 69: 1242
- Absorption spectroscopy of scattering samples using integrated optics (A), JOSA 66: 291
- Accuracy of directional coupler theory in fiber or integrated optics applications (T), JOSA 68: 1079
- Acoustic Surface Waves. Edited by A. A. Oliner (B), Reviewed by Lamb, John, AO 18: 1128



- Analog image transmission in optical waveguides (T), OL 2: 75
- Analysis of optical channel waveguides and directional couplers with graded-index profile (T), JOSA 69: 807
- Analysis of waveguided Gaussian beams coupled by misaligned or curved gratings (T), JOSA 69: 1235
- Anomalies of electromagnetic waves in multilayered structures containing anisotropy (T), JOSA 68: 1693
- Aperiodic distributed-parameter waveguides for integrated optics (T), AO 13: 1853
- Application and properties of molecular-beam epitaxial layers for optoelectronic devices (A), JOSA 66: 290
- Application of integrated optics to chemical spectroscopy (A), JOSA 66: 291
- Application of the equivalent-index method to DH diode lasers (T) (L), AO 18: 3724
- Applications of curved-surface waveguide in integrated optics (A), JOSA 66: 288
- Approximate analysis of optical waveguide grating coupling coefficients (T), AO 15: 774
- Approximate formula for describing dispersion properties of optical dielectric slab and fiber waveguides (T), JOSA 69: 291
- Array type charge extraction device for infra-red detection (P), AO 17: 1474
- Aspherical axially symmetric geodesic lenses for integrated optics (A), JOSA 66: 1115
- Attachable plastic grating coupler for integrated optics (A), JOSA 66: 291
- Axially symmetric geodesic lenses (T), AO 17: 2346
- Beam coupling to linear waveguides using lenslike waveguides (T), AO 14: 1213
- Bending losses of dielectric rectangular waveguides for integrated optics (T), JOSA 68: 316
- Birefringent coupler for integrated optics (A), JOSA 64: 525
- Birefringent coupler for integrated optics (E), AO 13: 1359
- Birefringent coupler for integrated optics: comment (T) (L), AO 14: 1481
- Birefringent coupler for integrated optics: comment 2 (T) (L), AO 15: 2029
- Birefringent prism couplers for thin-film optical waveguides (T), AO 17: 1030
- Birefringent waveguides prepared by reactive sputtering of niobium in  $O_2$ - $N_2$  mixtures (E) (L), AO 15: 607
- Bragg effect waveguide coupler analysis (T), AO 16: 3230
- Bragg electrostriction in optical waveguides (T), AO 16: 1960
- Capillary array: a new type of window for the vacuum ultraviolet (E), AO 18: 2505
- Cell-type optical circuitry fabrication (E) (L), AO 16: 547
- Channel optical waveguides and directional couplers in GaAs—imbedded and ridged (ET), AO 13: 327
- Characteristics of rib waveguides in GaAs-AlGaAs heterostructures (A), JOSA 69: 1483
- Characteristics of Ti-diffused lithium niobate optical directional couplers (ET), AO 18: 4012
- Chirped gratings and their applications in integrated optics (A), JOSA 68: 1364
- Chirped reflection gratings for wideband optical waveguide filters (A), JOSA 67: 1392
- Comparison of losses in imperfect surface-diffused and buried optical waveguides (T), OL 4: 149
- Comparison of normal mode and total field analysis techniques in planar integrated optics (T), JOSA 69: 1676
- Compound optical crosspoint with low crosstalk (E), AO 16: 3223
- Computational approach for predicting the optical behavior of multimode fiber optic switching devices (TE), JOSA 69: 443
- Coupled power theorem and orthogonality relations for optical disk waveguides (T), JOSA 67: 1634
- Coupler for semiconductor lasers (P), AO 17: 1468
- Coupling from a thin film to an optical fiber (E) (L), AO 17: 2483
- Coupling of curved transmission lines, and application to optical directional couplers (T), JOSA 65: 163
- Coupling of fibers to Ti-diffused  $LiNbO_3$  waveguides by butt-joining (E), AO 18: 2037
- Coupling optical waveguides by tapers (T), AO 14: 3012
- Coupling to film waveguides with reusable plastic gratings (E) (L), AO 15: 289
- Crosstalk reduction in optical switching (T) (L), AO 14: 2559
- Curved-line gratings and their applications in integrated optics (A), JOSA 68: 1364
- Design and fabrication of a blazed replica grating coupler for optical waveguides (E), OL 1: 67
- Design and fabrication of grating couplers for integrated-optics devices (A), JOSA 64: 1364
- Determination of ray directions coupled out of waveguides through prisms and gratings (T), AO 18: 1092
- Determination of refractive index changes in photosensitive polymer films by an optical waveguide technique (E) (L), AO 14: 560
- Device for coupling to waveguides, modulating, and multiplexing to detectors (P), AO 18: 3220
- Diffractional effects produced by strips laid on planar guides (A), JOSA 65: 1222
- Diffraction efficiencies of thin phase, amplitude, and mixed transmission gratings (A), JOSA 68: 1371
- Diffraction efficiency for crossed-beam gratings away from Bragg incidence (A), JOSA 68: 1440
- Diffraction efficiency of nonsinusoidal Bragg reflection gratings (T) (L), JOSA 64: 97
- Diffraction efficiency of nonsinusoidal Bragg reflection gratings (errata), JOSA 64: 895
- Diffraction of Gaussian beams by a periodically modulated layer (T), JOSA 67: 1555
- Diffraction of optical beams with arbitrary profile by a periodically modulated layer (A), JOSA 68: 1371
- Diffused optical waveguides with exponential profile: effects of metal-clad and dielectric overlay (T), AO 17: 469
- Directional couplers for integrated optics (A), JOSA 66: 289
- Direct measurement of the refractive indices for a small numerical aperture clad fiber: a simple method (E) (L), AO 13: 1255
- Direct writing of optical gratings using a scanning electron microscope (E), AO 17: 2342
- Distributed Bragg deflector: a multifunctional integrated optical device (T), AO 17: 2562
- Distributed-feedback coupling in  $Ga_{1-x}Al_xAs$  double-heterostructure lasers: effect of aluminum concentration (T), AO 14: 2199
- Distributed-feedback double-heterostructure GaAs injection laser with fundamental grating (E) (L), AO 13: 2742
- Distributed feedback GaAs homojunction injection laser (E) (L), AO 13: 1981
- Distributed feedback semiconductor lasers (A), JOSA 66: 288
- Distribution networks and electrically controllable couplers for integrated optics (T), AO 13: 1372
- Dry processing of high resolution and high aspect ratio structures in GaAs-Al $_x$ Ga $_{1-x}$ As for integrated optics (E), AO 16: 126
- Effect of thin-film thickness on Abeles-type index measurements (E) (L), JOSA 64: 108
- Effects of a buffer layer on TM modes in a metal-clad optical waveguide using Ti-diffused  $LiNbO_3$  C-plate (T), AO 16: 2994
- Effects of edge-rounding on geodesic lenses (T), AO 15: 2817
- Effects of ion etching on the properties of GaAs (E), AO 17: 2556
- Effects of metal overlays on 3-D optical waveguides (T) (L), AO 17: 2866
- Effects of the relative phase relationships of gratings on diffraction from thick holograms (T), JOSA 69: 705
- Effects of waveguide mode asymmetry on the laser diode-to-diffused waveguide coupling efficiency (T) (L), AO 18: 3372
- Efficiency of thin-film acoustooptic light deflectors for a Gaussian guided optical beam (ET), AO 16: 2729
- Efficient optical waveguide switch/amplitude modulator (E), OL 2: 45
- Efficient waveguide electro-optical TE  $\Rightarrow$  TM mode converter/wavelength filter (A), JOSA 69: 1482
- Efficient wideband guided-wave acoustooptic Bragg diffraction using phased surface acoustic wave array in  $LiNbO_3$  (ET), AO 16: 1297
- Electroabsorption detectors and modulators for integrated optical circuits (A), JOSA 65: 1221
- Electro-optical amplitude modulator (P), AO 15: 2948
- Electrooptic Bragg-deflection modulators: theoretical and experimental studies (TE), AO 15: 1565
- Electrooptic diffraction modulation in Ti-diffused  $LiTaO_3$  (E), AO 17: 3259
- Electro-optic multiplexer for large-numerical-aperture, low-loss fibers (E), OL 1: 35
- Electrooptic multiplexer system for multimode fiber communications (E), AO 17: 3688
- Electrooptic polarization switch for multimode fibers (T), AO 16: 119
- Elliptic polarization represented by the Carter and Smith charts (T), AO 18: 4017
- End fire coupling between optical fibers and diffused channel waveguides (T) (L), AO 16: 2048
- End-fire coupling between optical fibers and diffused channel waveguides: comment (T) (L), AO 18: 2362
- Enhanced internal reflection from a region with exponentially decreasing gain (A), JOSA 66: 1116
- Envelope gain saturation in distributed-feedback lasers (T), AO 14: 950
- Evanescent-wave amplification in asymmetric-slab waveguides (T), JOSA 64: 263
- Excitation of electromagnetic surface waves by a Gaussian beam striking a shallow grating (A), JOSA 66: 1116
- Excitation of hybrid modes in magneto-optic waveguides (E) (L), AO 13: 1001
- Explicit general eigenvalue solutions for dielectric slab waveguides (T), AO 14: 327
- Externally mounted fibers for integrated optics (A), JOSA 64: 1366
- Externally mounted fibers for integrated optics interconnections, AO 14: 1860
- Fabrication of integrated optical elements using a computer-controlled electron beam (E), AO 13: 636
- Fabrication of optical waveguide taper couplers utilizing  $SiO_2$  (E), AO 18: 506
- Fabrication of thin periodic structures in photoresist: a model (E), AO 15: 1071
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- Fiber waveguides: a novel technique for investigating attenuation characteristics (E), AO 15: 2112
- Field analysis of harmonic generation in thin-film integrated optics (T), JOSA 69: 1166
- Film-fiber coupling in integrated optics (E) (L), AO 14: 1256
- Formation of a spherical lens at optical fiber ends with a  $CO_2$  laser (ET), AO 14: 294
- Forming focusing diffraction gratings for integrated optics (P), AO 18: 3341
- Frequency demultiplexing in GaAs EAP waveguide detectors (TE) (L), AO 17: 3533
- Further discussions of approximate formulas describing dispersion properties of dielectric optical waveguides (T), JOSA 69: 1373
- GaAs optical waveguide structures at 10.6- $\mu$ m wavelength (E), AO 14: 1572
- GaInAsP/InP lasers with chemically etched facet mirrors (A), JOSA 69: 1482
- Gallium arsenide electroabsorption avalanche photodiode waveguide detectors (ET), AO 17: 1568
- Gaussian beam propagation in thin film waveguides (T) (L), AO 17: 2134
- Ga $_{1-x}$ In $_x$ As mesa lasers with grown optical facets (A), JOSA 64: 1368
- General solution of the problem of perfect geodesic lenses for integrated optics (T), JOSA 69: 1248
- Generation of periodic surface corrugations (TE), AO 17: 1165
- Geodesic optical waveguide lens analysis (T), JOSA 67: 1293
- Geodesic optical waveguide lens analysis: Comment (T) (L), JOSA 69: 791
- Geodesic profiles for equivalent Luneburg lenses (L), JOSA 69: 792
- Geometric optics limit of Marcuse's coupled power equations (T) (L), AO 15: 868



- Goos-Haenchen shift (T), AO 15: 236
- Grating lenses for integrated optics (ET), OL 2: 142
- Gratings for integrated optics by electron lithography (E), AO 13: 1695
- Guidance of surface waves by multilayer coatings (T), AO 13: 2343
- Guided wave electrooptic devices for logic and computation (T), AO 17: 1493
- Guided-wave optical thin-film Luneburg lenses: fabrication technique and properties (E), AO 18: 4067
- High efficiency input-output prism waveguide coupler: an analysis (ET), AO 18: 2921
- High-power low beam divergence coupled multiple stripe diode laser (A), JOSA 69: 1482
- High resolution lenses for optical waveguides (TE), AO 13: 2105
- Index-profile determination of heterostructure GaAs planar waveguides from mode-angle measurements at 10.6  $\mu\text{m}$  wavelength (TE), JOSA 65: 46
- Index profiles for generalized Luneburg lenses and their use in planar optical waveguides (T), JOSA 67: 1010
- Indiffused waveguides: effects of thin film overlays (T) (L), AO 14: 2329
- Influence of the quadratic magneto-optical effect on light propagation in garnet films (T) (L), AO 13: 2007
- Infrared imaging with surface wave readout (P), AO 17: 1474
- Inhomogeneous optical waveguide lens analysis (T), JOSA 67: 1004
- Integrally formed optical circuit with gradient refractive index (P), AO 15: 1888
- Integrated electrooptic laser deflector (T) (L), AO 13: 1041
- Integrated optical circuit devices employing optical gratings (P), AO 14: 1756
- Integrated optical circuits grown by liquid-phase epitaxy (A), JOSA 66: 290
- Integrated-optical corrector plates for waveguide geodesic lenses (A), JOSA 67: 1393
- Integrated optical deflector using bulk acoustic waves (A), JOSA 65: 1222
- Integrated optical half adder circuit (E), AO 18: 2045
- Integrated optical matrix multiplier (TE) (L), AO 15: 2029
- Integrated optical polarizer (A), JOSA 66: 289
- Integrated optical silicon photodiode array (TE), AO 15: 1389
- Integrated optics analog to digital converter (A), JOSA 69: 1459
- Integrated optics: a report on the 2nd OSA Topical Meeting (R), AO 14: 569
- Integrated Optics. Edited by Dietrich Marcuse (B). Reviewed by Mitchell, Gordon L., JOSA 64: 1023
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- Integrated optic star coupler (A), JOSA 67: 1393
- Integrated prism coupled room temperature double heterostructure GaAs:GaAlAs diode laser (A), JOSA 66: 1115
- Interference filters: single crystal multilayer AlAs-GaAs (E), AO 15: 1256
- Internal reflection from an exponential amplifying region (TE), JOSA 67: 1620
- Isolator in integrated optics using Faraday and Cotton-Mouton effects (ET) (L), AO 16: 2031
- Laser diode end-fire coupling into Ti:LiNbO<sub>3</sub> waveguides (TE) (L), AO 18: 2536
- Launching efficiencies of the HE<sub>1m</sub> modes in a self-focusing optical fiber waveguide (T), AO 14: 1543
- Leaky-mode propagation in Ti-diffused LiNbO<sub>3</sub> and LiTaO<sub>3</sub> waveguides (ET), OL 3: 76
- Leaky modes on a dielectric waveguide: orthogonality and excitation (T), AO 15: 1053
- Leaky modes on circular optical waveguides (T), AO 15: 477
- Length optimization of an S-shaped transition between offset optical waveguides (T), AO 17: 763
- Light beam switching and modulation using a built-in dielectric channel in LiNbO<sub>3</sub> planar waveguide (ET), AO 17: 892
- Light guided interconnection (P), AO 14: A26
- Lightguiding in photochromic glasses (E), AO 14: 580
- Light modulation by electrochromism (ET), AO 15: 2812
- Light waves guided by a single curved metallic surface (TE), AO 17: 316
- Lineshape measurement for coupling to waveguide modes in the prism-film coupler (ET), AO 13: 2525
- Liquid core multimode optical waveguide (P), AO 14: 1756
- Longitudinal and transverse displacements of a bounded microwave beam at total internal reflection (TE), JOSA 67: 1307
- Losses at corner bends in dielectric waveguides (T), AO 16: 711
- Low-loss GaAs  $p^+-n-n^+$  optical striplines fabricated using Be<sup>+</sup>-ion implantation (A), JOSA 66: 290
- Magnetic stripe domain deflector in integrated optics (E) (L), AO 15: 1683
- Magneto-optic bounce-cavity modulator (TE), AO 18: 3143
- Magneto-optic effects in garnet thin film waveguides (ET) (L), AO 14: 1479
- Measurement of optical field profiles in diffused LiNbO<sub>3</sub> waveguides (A), JOSA 68: 1373
- Measurements of standing waves and the absorption coefficients of various materials with surface electromagnetic waves on Al (E), AO 14: 1579
- Measurements on four-layer isotropic waveguides (TE) (L), AO 16: 814
- Metal-clad planar dielectric waveguide for integrated optics (T), JOSA 64: 274
- Metal diffused stripe waveguides: approximate closed form solution for lower order modes (T) (L), AO 15: 319
- Metallized photoresist surface gratings for integrated optics (A), JOSA 67: 1393
- Method of forming novel curved-line gratings and their use as reflectors and resonators in integrated optics (TE), OL 1: 64
- Microlenses for coupling junction lasers to optical fibers (E), AO 13: 89
- Mirror-type optical branch and switch (E), AO 17: 101
- Mirror-type optical switch array (E), AO 17: 3975
- Modal fields of anisotropic channel waveguides (T), JOSA 67: 523
- Mode conversion at a taper in guided-wave optics (A), JOSA 67: 1394
- Mode conversion in a thin film waveguide by a two-stage coupling process (E) (L), AO 18: 145
- Mode coupling effects in graded-index optical fibers (T), AO 14: 935
- Mode coupling in thin-film chirped gratings (E), OL 4: 343
- Mode dispersion in diffused channel waveguides by the effective index method (T), AO 16: 113
- Mode selectivity and amplification in twin-guide lasers (A), JOSA 66: 288
- Modified zigzag-ray model in a dielectric slab optical waveguide (T) (L), AO 15: 317
- Modular optics mode converter (E) (L), AO 15: 2807
- Modulating light propagating in an optical waveguide by bulk acoustic waves (P), AO 15: 584
- Modulation-efficiency calculation in optical-waveguide modulator (T) (L), JOSA 65: 1079
- Modulation-sensitivity enhancement in electro-optic slab waveguides (TE), JOSA 65: 797
- Monolithic GaAs circuit elements for integrated optics (A), JOSA 66: 288
- Movie on the melt-phase epitaxial growth of LiNbO<sub>3</sub> on LiTaO<sub>3</sub> substrate (A), JOSA 66: 290
- Multimode inhomogeneous fiber couplers (T), AO 18: 489
- Multimode integrated optical bistable switch (E), OL 3: 69
- Multimode optical multiplexing with low-voltage drivers (ET), OL 3: 136
- Multiwave coupled-wave theory: modal theory equivalence and analysis of general gratings (A), JOSA 68: 1371
- Nondegenerate four wave mixing in integrated optics (A), JOSA 69: 372
- Nondegenerate four-wave mixing in integrated optics (E), OL 4: 58
- Nonlinear effects in cw single-mode heterostructure semiconductor lasers (A), JOSA 69: 1482
- Nonlinear holographic waveguide coupler (E), AO 15: 1800
- Nonoxide chalcogenide glass films for integrated optics (E), AO 13: 2329
- Optical coupling from fibers to channel waveguides formed on silicon (E), AO 17: 895
- Optical demultiplexer using coupling between nonidentical waveguides (ET), AO 17: 3253
- Optical directional couplers with variable spacing (T), AO 17: 769
- Optical fiber-stripline-coupler (E), AO 14: 1225
- Optical field distribution in a waveguide loaded with high refractive-index film; modulation efficiency improvement in a planar-type modulator (T), AO 15: 455
- Optical modal evolution 3-dB coupler (ET), AO 15: 1053
- Optical-mode filters using coupling between two nonidentical waveguides (ET), AO 17: 486
- Optical phase matching in Ta<sub>2</sub>O<sub>5</sub> waveguides (A), JOSA 65: 1222
- Optical residue arithmetic computer with programmable computation modules (T), AO 18: 2812
- Optical-waveguide band-rejection filters: design (T), AO 13: 2886
- Optical-waveguide filters: synthesis (T), JOSA 65: 804
- Optical waveguide for integrated optics (ET), AO 13: 322
- Optical waveguide intersections without light leak (TE), AO 16: 1033
- Optical waveguide loaded with high refractive-index strip film (T), AO 15: 179
- Optical waveguide refractive index profiles determined from measurement of mode indices: a simple analysis (TE), AO 15: 151
- Optical waveguides fabricated by preferential etching (E), AO 14: 1200
- Optical waveguide switch (3 × 3) for an optical switching system (T), AO 17: 1182
- Optical waveguide 3×3 switch: theory of tuning and control (T), AO 18: 510
- Optical waveguide system for producing a line of modulated radiation data (P), AO 17: 2259
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- Organic medium for integrated optics (E) (L), AO 15: 2628
- Parallel end-but coupling for optical integrated circuits (TE), AO 16: 1026
- Parylene C films for optical waveguides (E) (L), AO 13: 2458
- Performance criteria and limitations of electrooptic waveguide array deflectors (TE), AO 18: 3282
- Performance limitations imposed on integrated optical devices by polarization (A), JOSA 66: 289
- Performance limitations imposed on optical waveguide switches and modulators by polarization (T), AO 15: 2440
- Perturbation analysis of the influence of a thin dielectric film on the propagation constants of a surface optical wave (T), JOSA 65: 1253
- Phase matched optical wave generator for integrated optical circuits (P), AO 14: 1756
- Photodichroics in integrated optics (A), JOSA 64: 1365
- Photo-induced stopping of guided light in dye doped polyurethane films (E) (L), AO 16: 23
- Photoresist thin films used in geometrical and integrated optics (A), JOSA 66: 163
- Planar Optical Waveguides and Fibers. By H.-G. Unger (B). Reviewed by Marcuse, Dietrich, JOSA 68: 1648
- Plasma polymerized coating for polycarbonate: single layer, abrasion resistant, and antireflection (E), AO 16: 717
- Polarization-insensitive integrated-optical switches: a new electrode design (T), AO 16: 810
- Positive-permittivity-metal cladding: its effect on the modes of dielectric optical waveguides (T), AO 15: 2804
- Power handling capability of glass fiber lightguides (E) (L), AO 13: 467
- Precise determination of refractive index and thickness in the Ti-diffused LiNbO<sub>3</sub> waveguide (TE), JOSA 68: 1690
- Preparation of high-aspect ratio periodic corrugations by plasma and ion etching (E) (L), AO 15: 1905
- Prism offset for optical waveguide coupling (T) (L), AO 15: 1375
- Progress in integrated optics in the USSR (A), JOSA 68: 633



- Propagation characteristics of a partially metal-clad optical guide: metal-clad optical strip line (ET), AO 14: 322
- Propagation characteristics of GaAsP heterostructure waveguides for 1.06  $\mu\text{m}$  and 0.905  $\mu\text{m}$  wavelengths: an evaluation (ET), AO 15: 789
- Propagation characteristics of trapezoidal cross-section ridge optical waveguides: an experimental and theoretical investigation (ET), AO 17: 1187
- Propagation constants in diffused planar optical waveguides (T) (L), AO 13: 2755
- Propagation in asymmetrical anisotropic film waveguides (T), AO 13: 1363
- Propagation of IR light in flexible hollow waveguides: further discussion (E), AO 15: 3037
- Propagation of modes in curved hollow metallic waveguides for the infrared (T), AO 16: 2163
- Propagation of spatial pulses in interferometrically produced guiding structures (TE), AO 14: 2614
- Propagation properties of a multilayer optical waveguide with an attenuating sheet (T), AO 15: 802
- Properties of the terminated optical crossbar matrix (T) (L), AO 15: 2950
- Radiating normal modes of lossy planar waveguides (T), JOSA 69: 311
- Radiation loss calculations for corrugated dielectric waveguides: TM polarization (A), JOSA 69: 1483
- Radiation loss calculations for corrugated dielectric waveguides (T), JOSA 68: 1701
- Radiation loss calculations for corrugated dielectric waveguides. II: TM polarization (T), JOSA 69: 1671
- Radiation losses in diffused and buried optical waveguides (A), JOSA 68: 1372
- Radiation losses of parabolic-index slabs and fibers with bent axes (T), AO 17: 755
- Ray model of energy and power flow in anisotropic film waveguides (T), JOSA 64: 1313
- Rays, stored energy, and power flow in dielectric waveguides (T), JOSA 64: 174
- Recursive solution of the dispersion relation of a surface polariton in a layered structure (T) (L), JOSA 67: 698
- Resonant tunneling of light in optical waveguides (E) (L), JOSA 66: 972
- Rib waveguide switches with MOS electrooptic control for monolithic integrated optics in GaAs-Al<sub>x</sub>Ga<sub>1-x</sub>As (E), AO 17: 2548
- Ridge waveguide without high refractive index layer: multilayer side clad ridge waveguide (TE), AO 17: 105
- Room-temperature DFB GaAs diode lasers (A), JOSA 65: 1221
- Scaling rules for thin-film optical waveguides (T), AO 13: 1857
- Scanning-electron-microscope-written gratings in chalcogenide films for optical integrated circuits (ET), AO 18: 248
- Scattered microwave fields near a finite, planar, dielectric slab (A), JOSA 67: 1394
- Scattering in ZnO-sapphire optical waveguides (TE), AO 14: 923
- Scattering of guided optical beams by surface acoustic waves in thin films (T), JOSA 69: 1153
- Scattering of TM waves by a surface deformation on uniaxial-slab waveguide (A), JOSA 64: 1364
- Second- and higher-order waveguide grating filters. 1: Theory (T), AO 18: 3620
- Second- and higher-order waveguide grating filters. 2: Experiment (E), AO 18: 3627
- Semiconducting materials for monolithic integrated optics (A), JOSA 64: 524
- Semiconductor-based infrared integrated optics (A), JOSA 67: 255
- Semiconductor drift photodetector for equalization of optical fiber material dispersion (P), AO 14: 1756
- Sidelobe suppression in corrugated-waveguide filters (T), OL 1: 43
- Silicon monolithic optical integrated circuits for laser system applications (A), JOSA 66: 386
- Silicon nitride films on silicon for optical waveguides (ET), AO 16: 3218
- Simple Gaussian-beam model for GaAlAs double-heterostructure laser-diode-to-diffused-waveguide coupling calculations (TE), OL 4: 292
- Simple interconnections in thin-film guided-wave optics (E) (L), AO 16: 816
- Single-crystal electrooptic thin-film waveguide modulators for infrared laser systems (E), AO 13: 2529
- Single-mode GaAs-Al<sub>x</sub>Ga<sub>1-x</sub>As rib waveguide switches (E), AO 17: 890
- Single mode optical fiber pickoff coupler (E) (L), AO 15: 2310
- Single-mode optical-waveguide fiber coupler (E), AO 17: 2092
- Single-mode optical waveguides (T), AO 18: 1490
- Slitless optical-fiber laser Raman spectrometer (A), JOSA 64: 1368
- Soliton propagation in optical waveguides (A), JOSA 68: 1359
- Spherical aberration correction and fabrication tolerances in geodesic lenses (T), AO 17: 3969
- Sputtered niobium oxide thin-film waveguides on arbitrary substrates (A), JOSA 65: 1222
- Sputtered thin films for integrated optics (E) (L), AO 13: 712
- Strip-loaded waveguide formed in a graded-index LiNbO<sub>3</sub> planar waveguide (TE), AO 17: 1953
- Structure of optical guided modes in planar multilayers of optically anisotropic materials (T), JOSA 64: 166
- Surface electromagnetic wave coupling efficiencies for several excitation techniques (E), AO 15: 3066
- Symmetrical prism as input coupler for integrated optics (E) (L), AO 17: 3191
- Synthesis of filters for integrated optics (A), JOSA 64: 1365
- Tapered edge ridge waveguides for integrated optics (TE), AO 14: 1847
- Tapered gap prism couplers for high index materials (E) (L), AO 16: 1795
- Tapered velocity couplers for integrated optics: design (T), AO 14: 1207
- Tapered waveguides for guided wave optics (E), AO 18: 900
- Telecommunications Optiques: Introduction a l'Optique Integree, Par Clair, J.-J. (B), Reviewed by Ostrovsky, D. B., AO 17: 3853
- Theoretical and experimental study of the effect of loss on grating coupler performance (A), JOSA 66: 1115
- Theoretical modeling of the simultaneous exposure and development (SED) process of a positive photoresist (TE), AO 16: 1918
- Thin-film beam splitter for integrated optics (TE), JOSA 67: 533
- Thin film, biaxially birefringent nonlinear devices (P), AO 13: 11A26
- Thin-film laser-to-fiber coupler (E), AO 13: 391
- Thin-film lenses based on tantalum pentoxide (A), JOSA 65: 1222
- Thin film light guide (P), AO 14: 1756
- Thin film optical switching device (P), AO 18: 261
- Thin grating couplers for integrated optics: an experimental and theoretical study (ET), AO 14: 2983
- Thin periodic structures in photoresist: fabrication and experimental evaluation (E), AO 15: 2126
- Three-dimensional curved surface for integrated optics (TE), AO 14: 1854
- Threshold gain and mode selectivity of distributed Bragg-reflector laser (A), JOSA 65: 1221
- Titanium in-diffused LiNbO<sub>3</sub> optical waveguide fabrication (E), AO 18: 2041
- Tolerance to the phase-matching condition for the integrated acoustooptic filter (T), AO 13: 1867
- Total internal reflection integrated-optics switch: a theoretical evaluation (T), AO 17: 3679
- Transient effects in bistable optical devices (A), JOSA 68: 1360
- Two wavelength measurements of optical waveguide parameters (E), AO 14: 946
- Uniaxial and biaxial anisotropy in thin-film optical waveguides (T), JOSA 64: 27
- Use of curved-line gratings for diffraction of light in an optical waveguide (A), JOSA 67: 1392
- Variable refractive index and birefringent waveguides by sputtering tantalum in O<sub>2</sub>-N<sub>2</sub> mixtures (E), AO 14: 2194
- Very-large-scale integrated (VLSI) device fabrication by x-ray lithography (A), JOSA 69: 1471
- Visualization on integrated optical microcircuits by fluorescence (A), JOSA 66: 291
- Waveguides: characteristic modes of hollow rectangular dielectric waveguides (T), AO 15: 1334
- Waveguides: characteristic modes of hollow rectangular dielectric waveguides (T) (errata), AO 15: 2029
- Waveguiding properties of (Se,S)-based chalcogenide glass films and some applications to optical waveguide devices (E), AO 18: 393
- Wavelength dependence of GaAs directional couplers and electrooptic switches (ET), AO 17: 2250
- Wave propagation in semileaky-type anisotropic thin-film optical waveguides (T), JOSA 67: 539
- World market trends in electrooptical equipment, AO 16: 2986

## Interference

- Analytical considerations for interferometry with two independently modulated beams (T), JOSA 65: 1003
- Causality and classical interference and diffraction phenomena (A), JOSA 65: 1224
- Contrast sensitivity and viewing distance (E) (L), JOSA 65: 97
- Data-reducing apparatus for holographic flow interferograms (A), JOSA 66: 382
- Evaluation of the Shamir-Graeff method for measuring optical constants of thin films (ET) (L), AO 18: 3367
- Interference and diffraction in globular metal films (ET), JOSA 68: 1023
- Interference experiments using spatially separated optics (A), JOSA 68: 623
- Interference problems in a coherent aberration sensor (E), AO 18: 2891
- Interference theory of reflection from multilayered media (T), JOSA 67: 448
- Interferometer system for measuring straightness and roll (P), AO 13: 9A26
- Method of authenticating and identifying papers and documents (P), AO 15: 2296
- Michelson and double-slit interference with pulsed light and spectral interpretation (A), JOSA 67: 1385
- Moiré topography (T), AO 14: 177
- Nodality: interference at the surface of dielectric mirrors (T) (L), JOSA 65: 465
- Optical diffusimeter for submicrometer-distance energy-diffusion determination (TE), JOSA 64: 1337
- Optical interference coatings (R), AO 15: 2313
- Optical interference method for the approximate determination of refractive index and thickness of a transparent layer (TE), AO 17: 2779
- Polarization and interference effects in coherent active Raman spectroscopy (A), JOSA 68: 1432
- Production of Newton's rings (E) (L), AO 13: 1544
- Pulse holography of uniformly moving objects (T), AO 14: 602
- Radiative interference in two-photon processes (A), JOSA 67: 1398
- Rectangular grid fringe pattern for topographic applications (ET) (L), AO 15: 597
- Simple methods for the measurement of laser beam parameters (E) (L), AO 13: 1276
- Spatial coherence in Rayleigh-scattered light (E) (L), JOSA 64: 1276
- Spatial coherence measurements of Rayleigh-scattered light (T) (L), JOSA 65: 740
- Symmetric optimization of dielectric interference filters for nonnormal incidence (T) (L), AO 14: 2341
- Symmetric optimization of dielectric interference filters for nonnormal incidence (T) (errata), AO 15: 1124
- Visibility of interference fringes: effect of the optical guide length in coherent light (E), AO 16: 494
- Wave propagation along a dielectric interface (T), JOSA 64: 794
- Young's double-slit interference experiment (A), JOSA 64: 527

## Interferometers

- Airborne infrared astronomical observations by Fourier transform spectroscopy (ER), AO 17: 1352
- All-reflection Michelson interferometer: analysis and test for far IR Fourier spectroscopy (TE), AO 17: 1739
- Analysis of an all-reflection Fourier transform interferometer (A), JOSA 66: 1093



- Analysis of Fabry-Perot interferograms of periodic spectra (T), JOSA 64: 871
- Analysis of the spectral imaging capabilities of a moving grating interferometric spectrometer (TE), JOSA 69: 470
- Analysis of the spectral imaging capabilities of a moving grating interferometric spectrometer (errata), JOSA 69: 1633
- Analytical description of a Fabry-Perot spectrometer. 4: Signal noise limitations in data retrieval; winds, temperature, and emission rate (T), AO 17: 2967
- Apparatus for double-beaming in Fourier spectroscopy (P), AO 18: 260
- Application of a Fabry-Perot spectrometer to the measurement of spectral line shifts much smaller than line width (ET), AO 15: 45
- Asymmetrical Fabry-Perot interferometer with feedback (ET) (L), AO 18: 2358
- Automatic cross correlation interferometry (P), AO 15: 584
- Background suppression in double-beam interferometry (ET), AO 18: 1996
- Balanced interferometers with simply adjustable interference angle (T) (L), AO 16: 1806
- Beam splitter and reflection reducing coatings on ZnSe for 3–14  $\mu\text{m}$  (ET), AO 18: 1966
- Bibliography of various optical testing methods, AO 14: 1065
- Bistable interferometers (A), JOSA 68: 641
- Calculation of the fractional order number of the center of a Fabry-Perot interferometer-fringe system (T), JOSA 65: 814
- Chevron beam-splitter interferometer (N), AO 18: 4061
- Collimated-light acousto-optic lateral-shearing interferometer (A), JOSA 64: 558
- Collimated light acousto-optic lateral shearing interferometer (ET) (L), AO 13: 1004
- Collimation test by double grating shearing interferometer (TE), AO 15: 1234
- Common path interferometer (P), AO 18: 3341
- Compact three-beam interferometer (A), JOSA 64: 559
- Compact three-beam interferometer (P), AO 17: 2260
- Concave-grating interferometer (A), JOSA 66: 1090
- Concave-grating interferometers (A), JOSA 68: 1390
- Conditions of pressure scanning of a Fabry-Perot interferometer over a wide spectrum range (TE), AO 16: 2119
- Confocal interferometer light-scattering sample cell (E) (L), AO 17: 3028
- Corner cube interferometer using extended sources (TE), AO 15: 2423
- Correcting errors in the optical path difference in Fourier spectroscopy: a new accurate method (TE), AO 17: 1587
- Correction of parabolic errors in Fabry-Perot interferometers (E), AO 13: 2685
- Demonstrating Fourier transform spectroscopy for students (E), AO 17: 1413
- Dependence of the finesse of a Fabry-Perot on the plate separation (A), JOSA 67: 1385
- Diffraction effects in long path interferometers (TE), AO 13: 1814
- Diffusion cell for use with a Rayleigh interferometer in membrane-transport studies (T), JOSA 65: 131
- Digital wavefront measuring interferometer for testing optical surfaces and lenses (ET), AO 13: 2693
- Double-beam modification for far infrared interferometers (E) (L), AO 13: 723
- Dual beam interferometer with autoequalization of path length (ET) (L), AO 15: 2302
- Eigenvalue translation method for mode calculations (T), AO 18: 1341
- Electronic stabilization of scanning interferometers (TE), AO 15: 929
- Electrooptic measurement of displacements (P), AO 13: 2177
- Energy law in an interferometer by Guenter Schulz (N), AO 15: A89
- Energy law in an interferometer: clues for the resolution of the paradox (N), AO 15: 1367
- Exposure time for space-borne IR spatial interferometer (T), AO 18: 228
- Fabrication of low/fno. scatterplates (A), JOSA 66: 1089
- Fabry-Perot diplexer (P), AO 18: 3271
- Fabry-Perot interferometer applied to optical derivative spectroscopy at low light levels (E) (L), AO 13: 1746
- Fabry-Perot/monochromator system for enhancement of the spectral line-to-noise power ratio from line and continuum sources (T), JOSA 65: 1427
- Fast-scanning far-infrared Fabry-Perot interferometer (E), AO 14: 460
- Fiber ring interferometer (E) (L), AO 15: 1099
- Fiber-ring interferometer: polarization analysis (ET), OL 4: 152
- Field-widened Michelson spectrometer with no moving parts (T) (L), AO 13: 233
- Field-widened Michelson spectrometer with no moving parts: comments (T) (L), AO 13: 2189
- Filter radiometer: the selective interferometer (T), AO 15: 2667
- Fourier optical synthesis of Zernike's three-slit interferometer (TE) (L), JOSA 68: 868
- Fringe visibility in a Michelson stellar interferometer (T), JOSA 66: 580
- Generalized analysis of shearing interferometers as applied for gas dynamic studies (TE), AO 13: 409
- Grazing incidence interferometry: the use of the Linnik interferometer for testing image-forming reflection systems (E), AO 18: 2003
- Heterodyne interferometer for measuring surface profiles from interferograms (A), JOSA 67: 1365
- High resolution Fourier transform spectrometer (0.005  $\text{cm}^{-1}$ ) for the 0.6–100- $\mu\text{m}$  spectral range (E), AO 17: 1716
- High-resolution interferometer for stratospheric spectroscopy from Spacelab (A), JOSA 67: 1419
- High-resolution lamellar-grating Fourier-transform spectrometer for the submillimeter region (E), AO 17: 1709
- High resolution Michelson interferometer for airborne infrared astronomical observations. 1: Concept and performance (E), AO 16: 1834
- High resolution Michelson interferometer for airborne infrared astronomical observations. 2: System design (E), AO 16: 1841
- Holographic and shearing interferometer for routine optical testing including aspherics (A), JOSA 68: 1416
- Holographic radial shear interferometer (TE), AO 13: 2035
- Holography with an achromatic, grating-based interferometer: experimental results (A), JOSA 64: 552
- Imaging through scattering media with an achromatic interferometer (A), JOSA 68: 1377
- Improved double-pass Michelson interferometer (N), AO 18: 2601
- Improved wavemeter for cw lasers (E) (L), JOSA 68: 1611
- Improvement in birefringent filters. 4: The alternate partial polarizer filter (TE), AO 15: 2871
- Infrared interferometer (A), JOSA 64: 559
- Infrared point-diffraction interferometer (ET), OL 3: 118
- Infrared Smartt interferometer (A), JOSA 69: 1454
- Infrared Twyman-Green interferometer (A), JOSA 67: 1365
- Instrumental profile of a triple Fabry-Perot interferometer for use in solar spectroscopy (T), AO 17: 415
- Intensity Interferometer. Its Application to Astronomy. By R. Hanbury Brown (B), Reviewed by Shostak, G. Seth, AO 14: 2312
- Intensity Interferometer: Its Application to Astronomy. By R. Hanbury Brown (B), Reviewed by Young, Andrew T., JOSA 65: 1387
- Interferometer apparatus incorporating a spherical element of index of refraction of two (P), AO 15: 1889
- Interferometer-grating spectrograph for high resolution astronomical spectroscopy in the middle UV (E), AO 17: 2119
- Interferometer matching to plane wave (T) (L), AO 18: 1888
- Interferometers for fluid flow measurements (P), AO 14: 1043
- Interferometers for the testing of high-power laser wave fronts (A), JOSA 69: 1404
- Interferometre a reflexion totale frustree (E) (L), AO 16: 1141
- Interferometrically produced gratings for interferometers (A), JOSA 64: 558
- Interferometric deflection of laser beams (A), JOSA 65: 1166
- Interferometric light-scattering cell (A), JOSA 65: 1210
- Interferometric studies of internal rotation (A), JOSA 64: 1363
- Interferometric testing, optical alignment, and system performance of a unique twelve channel 360° visual display (A), JOSA 68: 1416
- Interpretation of gain experiments at 58Å (A), JOSA 67: 1385
- Laser Doppler interferometer: analysis (T) (L), AO 13: 1997
- Laser heterodyne interferometer for measuring biological motions. II. Phase tracking detection system (A), JOSA 68: 1390
- Laser heterodyne interferometer for measuring biological motions. I. Optical system with fiber-optical probe (A), JOSA 68: 1390
- Length measuring (fringe counting) interferometer (P), AO 13: 8A26
- Linewidth-compensated two-beam interferometer (A), JOSA 64: 559
- Long-baseline optical interferometer for astronomy (E), JOSA 67: 81
- Long path Fabry-Perot interferometers for condensed phases: a note on their design (T) (L), AO 15: 2963
- Lummer-Gehrcke interferometer modified for spectroscopy of thin films (A), JOSA 66: 1089
- Mach-Zehnder data reduction method for refractively inhomogeneous test objects (T), AO 14: 634
- Mach-Zehnder interferometer errors resulting from test section misalignment (ET) (L), AO 17: 985
- Martin-Puplett interferometer: an analysis (TE), AO 17: 1595
- Matched-filter Fabry-Perot interferometer (A), JOSA 64: 1382
- Mathematical interpretation of radial shearing interferometers (T), AO 13: 1781
- Measurement of second-order coherence in a light beam using a microscope and a grating (E), AO 16: 558
- Measurement of the microtopography of optical surfaces using a scanning Fizeau interferometer (A), JOSA 64: 1369
- Measurement of the rms roughness, autocovariance function and other statistical properties of optical surfaces using a FECC scanning interferometer (E), AO 15: 2705
- Measurements of the atmospheric attenuation of the spectral components of astronomical images (ET), JOSA 66: 478
- Measuring the size of stars: the next step? (A), JOSA 68: 1419
- Method for high-range resolution measurements of light scattering in optically dense inhomogeneous media (E), OL 1: 226
- Michelson and double-slit interference with pulsed light and spectral interpretation (A), JOSA 67: 1385
- Michelson interferometer with frustrated-total-internal-reflection beam splitter (TE), JOSA 65: 124
- Modulated submillimeter laser interferometer system for plasma density measurements (E), AO 15: 2645
- Modulation transfer function measurement by diffraction shearing (A), JOSA 68: 1391
- Monolithic interferometric angle sensor, AO 14: 3095
- Multichannel device (P), AO 18: A213
- Multichannel HCN interferometer for electron density profile measurements of tokamak plasmas (E), JOSA 67: 964
- Multicolor interferometric testing (A), JOSA 68: 1416
- Multimode optical fiber interferometer (A), JOSA 68: 1384
- Multiple-mirror telescope as a multibase Michelson stellar interferometer (A), JOSA 67: 1385
- Multiple order spectra in Fourier transform infrared spectroscopy (T), AO 16: 1905
- Mylar beam-splitter efficiency in far infrared interferometers: angle of incidence and absorption effects (ET), AO 17: 1055
- Nonlinear behavior of a Fabry-Perot interferometer filled with a Kerr liquid (A), JOSA 68: 642
- Nonlinear image processing using Fabry-Perot interferometers (A), JOSA 68: 1377
- Nonplanar wire polarizers for the far infrared (T) (L), AO 18: 420
- Novel instantaneous laser Doppler velocimeter (E), AO 13: 280



- Optical heterodyne interferometer with radiofrequency phase reference (E) (L), AO 15: 2627
- Optical interference filter having an intermediate energy absorbing layer (P), AO 13: 2177
- Optical interferometer (P), AO 17: 1474
- Optical parameters of partially transmitting thin films. 2: Experiment and further analysis of a novel method for their determination (ET), AO 15: 120
- Optical screw as an interferometer control device (A), JOSA 69: 1455
- Optical technique for background suppression (P), AO 18: 261
- Optical transistor and bistability (A), JOSA 65: 1184
- Optimum performance of lateral shear interferometer for active wavefront compensation (A), JOSA 65: 1211
- Parallelity criterion for samples to be studied using Fabry-Perot interferences (A), JOSA 67: 252
- Partial coherent ac polarization interferometers using a high-order birefringent plate instead of a half-wave plate (A), JOSA 68: 1391
- Performance of a holographic and shearing interferometer (A), JOSA 68: 1416
- Perspectives in interferometric spectrometry (A), JOSA 65: 1183
- Phase correction for a Michelson interferometer with misaligned mirrors (T), AO 14: 1387
- Piezoelectric scanning of Fabry-Perot spectrometers: nonlinearities (TE), AO 17: 3088
- Portable high-resolution laser monochromator-interferometer with multichannel electronic readout (E), AO 18: 4145
- Practical stellar amplitude interferometer (A), JOSA 65: 1199
- Precise interferometric laser-wavelength measurements: progress report (A), JOSA 65: 1190
- Pressure-scanned Fabry-Perot interferometer for nightglow measurements: its construction and operation (E), AO 15: 2418
- Pressure-scanned three-pass Fabry-Perot interferometer (E), AO 17: 3298
- Radial grating lateral shear heterodyne interferometer (A), JOSA 68: 1391
- Real-time intensity autocorrelation interferometer (L), AO 17: 3534
- Real time interferometer (P), AO 15: 1358
- Real-time optical subtraction of photographic imagery for difference detection (ET), AO 15: 871
- Response of Fabry-Perot interferometers to light pulses of very short duration (T), JOSA 65: 1418
- Results in the theory of a plane-mirror interferometer (T), JOSA 68: 1124
- Review of surface-measuring interferometers (A), JOSA 64: 1362
- Ring interferometer 950 m long (E) (L), AO 16: 290
- Sagnac or Michelson-Sagnac interferometer? (R) (L), AO 14: 2319
- Scanning technique for obtaining linear fringe shift readout from a high resolution interferometer (E), AO 17: 2794
- Scan nonlinearities in a continuous-scan Michelson interferometer (A), JOSA 66: 1093
- Scatterplate design (A), JOSA 68: 1417
- Seeing effects removal in a Michelson stellar interferometer (T), JOSA 66: 1347
- Sensitivity analysis of the Sagnac-effect optical-fiber ring interferometer (T), AO 18: 915
- Sensitivity of shearing interferometer (A), JOSA 64: 559
- Shearing interferometer as an interferometric filter for the reduction of scattered light (TE), AO 16: 195
- Simple interferometer for monitoring Rayleigh waves (E), AO 17: 2064
- Simple laser interferometer with variable shear and tilt (E) (L), AO 14: 1056
- Simple optical interferometer for measuring phase changes smaller than  $10^{-5}$  Å (A), JOSA 66: 385
- Simple unequal-path interferometer configurations (A), JOSA 65: 1210
- Sliding reference interferometer (A), JOSA 66: 382
- Space-invariant achromatic grating interferometers: theory (TE), AO 14: 1592
- Space-invariant multiple-grating interferometers in holography (T), JOSA 69: 689
- Spatial filtering of aberrations and the point diffraction interferometer (A), JOSA 68: 1416
- Speckle-suppressed holography with spatially incoherent source (TE), JOSA 64: 1507
- Spherical lamellar grating interferometer for airborne astronomical observations of far infrared objects (E), AO 16: 233
- Stable multipass Fabry-Perot interferometer: design and analysis (ET), AO 16: 2514
- Stellar interferometer for figure sensing of orbiting astronomical telescopes (TE), AO 13: 1785
- Stress-optic coefficients of ZnSe (E), AO 14: 2432
- Stroboscopic interferometer (E), AO 18: 2368
- Surface slopes measurement by a multi-source shearing interferometry (A), JOSA 68: 1391
- Surface-wave interferometer for the infrared region (A), JOSA 69: 1434
- Technique for defining the asphericity of a spherical surface and interferogram analysis (A), JOSA 68: 1416
- Telescope test using the point-diffraction interferometer (A), JOSA 64: 558
- Theory of optical bistability (A), JOSA 68: 641
- Tilt-compensated Michelson interferometer for Fourier transform spectroscopy, AO 17: 3304
- Tilted-reference-beam lateral shearing interferometer utilizing carrier-frequency photography (TE), AO 14: 614
- Tunable Sagnac-type interferometer using polarized lights (A), JOSA 67: 1385
- Two-dimensional white light coherence interferometer (E) (L), AO 13: 2760
- Two-wave interferometers for use with a monochromatic source (ET) (L), AO 18: 422
- Ultrashort CO<sub>2</sub> laser-pulse generation using a Fabry-Perot interferometer (A), JOSA 67: 1404
- Use of an ac heterodyne lateral shear interferometer with real-time wavefront correction systems (T), AO 14: 2622
- Versatile nebular insect-eye Fabry-Perot spectrograph (E), AO 14: 465
- Vibration measurement on the human ear drum *in vivo* (E), AO 18: 763
- Visual Fourier-transform spectroscopy with a single crystal plate (ET), JOSA 65: 817
- Water vapor absorption spectra of the upper atmosphere (45–185 cm<sup>-1</sup>) (ET), AO 14: 2146
- Wave-front shearing interferometer for cryogenic laser-fusion targets (E), AO 18: 2971
- White light extended source shearing interferometer (ET), AO 13: 200
- Wide-angle Mach-Zehnder interferometer for monochromatically selective photography (E) (L), AO 16: 812
- Working resolution of 0.010 cm<sup>-1</sup> between 20 cm<sup>-1</sup> and 1200 cm<sup>-1</sup> by a Fourier spectrometer (E), AO 18: 1788
- Zone plate interferometer (E), AO 13: 1093
- Zone-plate radial-shear interferometers (A), JOSA 68: 1391

## Interferometry

See also Fabry-Perot, Holography

Absolute distance measurements by CO<sub>2</sub> laser multiwavelength interferometry (TE), AO 18: 225

Absolute measurements of Brillouin-scattering efficiencies of molecular liquids (E), JOSA 65: 995

Accurate determination of the change of curvature (bending) of a surface through holographic interferometry (A), JOSA 64: 1381

Achromatic focusing device (ET), JOSA 65: 1283

Additional property of interferometer symmetry (T) (L), AO 17: 505

Aligning an interferometer mirror (P), AO 14: 1757

Amplitude interferometry for high-angular-resolution astronomy (A), JOSA 65: 1199

Analysis of a system for hologram interferometry with a continuously scanning reconstruction beam, AO 16: 2535

Analysis of double-exposure speckle photography with two-beam illumination (TE), JOSA 64: 857

Analysis of 3-D vibrations from time-averaged holograms (TE), AO 17: 3713

Analysis of window interferograms using MTF criteria (A), JOSA 69: 1419

Analytical description of a Fabry-Perot spectrometer. 3: Off-axis behavior and interference filters (TE), AO 13: 2654

Analytical description of a Fabry-Perot spectrometer. 4: Signal noise limitations in data retrieval; winds, temperature, and emission rate (T), AO 17: 2967

Analytical description of a Fabry-Perot spectrometer. 5: Optimization for minimum uncertainties in the determination of Doppler widths and shifts (T), AO 18: 3826

Analytical procedure for determining lengths from fractional fringes (T), AO 16: 1857

Annual Review of Astronomy and Astrophysics, Volume 16. Edited by G. Burbidge, D. Layzer, and J. G. Phillips (B). Reviewed by Meinel, Aden B., AO 18: A173

Apparatus for interferometric background suppression (P), AO 18: 3271

Apparatus for measuring interference patterns and interferograms (P), AO 18: 3999

Application of a simple differential interferometer to high current arc discharges (E) (L), AO 13: 1749

Application of generalized phase control during reconstruction to flow visualization holography (ET), AO 18: 766

Application of generalized phase control during reconstruction to flow visualization holography: comments (E) (L), AO 18: 2538

Application of holographic addition to time-average hologram interferometry of constant velocity motion (T) (L), AO 13: 720

Application of lateral shearing interferometry to stochastic inputs (T), JOSA 66: 1341

Application of Zernike polynomials to reduction of wave front slope data (A), JOSA 69: 1407

Applications of laser speckle interferometry to strain concentration measurement (A), JOSA 66: 183

Applications of surface-measuring interferometry (A), JOSA 64: 1362

Asymmetrical fringe broadening in a Lummer-Gehrcke interferometer (T), AO 15: 1037

Automated data acquisition and stabilization system for Fabry-Perot interferometry (E), AO 17: 1603

Automated data acquisition and stabilization system for Fabry-Perot interferometry (errata), AO 17: 2873

Automatic analysis of interferograms: optical waveguide refractive index profiles (E), AO 15: 1048

Automatic refractive-index profiling of optical fibers (E), AO 17: 2209

Balloon-borne far-infrared Michelson interferometer for atmospheric emission studies (E), AO 18: 346

Beam pathlength multiplication (T), AO 13: 679

Bending and vibration of plates by laser-speckle interferometry (A), JOSA 65: 1196

Binary silica optical fibers: refractive index and profile dispersion measurements (E), AO 15: 3029

Binary silica optical fibers: refractive index and profile dispersion measurements (errata), AO 17: 3530

Binary star speckle interferometry (A), JOSA 66: 1077

Boundary layer effects in optical measurements in gas dynamics (T), AO 15: 1591

Broadband optical phase shifter (T) (L), AO 17: 331

Calculation of the fractional order number of the center of a Fabry-Perot interferometer-fringe system (T), JOSA 65: 814

Changes in the atmospheric-lens modulation transfer function used for calibration in solar speckle interferometry (TE), JOSA 68: 1063

Characteristic fringe function for time-average holography of periodic nonsinusoidal vibrations (T), AO 14: 129

Chopped laser light in electronic speckle pattern interferometry (ET), AO 18: 2377

Circular-carrier holograms (TE), JOSA 65: 518

Coherence effects on the phase accuracy of an optical Fourier processor (T), JOSA 68: 909

Coherence-length adapted hologram-interferometer (E), AO 16: 225

Combined effects of a converging beam of light and mirror misalignment in Michelson interferometry (T), AO 13: 1077

Compact high-precision wavemeter (A), JOSA 69: 1454

Compact interference-filter polychromator and narrow band rejection filter (E) (L), AO 16: 1765



- Comparative sensitivities of stellar speckle interferometry and amplitude interferometry (A), JOSA 66: 1077
- Comparison of Abel-integral, inversion schemes for interferometric applications (A), JOSA 64: 559
- Compensation for gross objective motion in real time holographic interferometry (P), AO 15: 1359
- Computer-aided holographic vibration analysis for vectorial displacements of bladed disks (E), AO 17: 1733
- Computer analysis of the Hartmann sensor and shearing interferometer (A), JOSA 69: 1454
- Computer-controlled Fabry-Perot interferometer for Brillouin spectroscopy (E), AO 18: 540
- Computer generated hologram; null lens test of aspheric wavefronts (E) (L), AO 13: 2762
- Computer-generated holograms in shearing interferometry (A), JOSA 64: 1370
- Corneal thickness measured by interferometry (TE), JOSA 65: 119
- Correction of parabolic errors in Fabry-Perot interferometers (E), AO 13: 2685
- Cylindrically aligned liquid crystals: an interferometric analysis (E), AO 18: 1455
- Deconvolution of spectral lines by Fourier analysis (ET) (L), AO 17: 3344
- Derivation of one-dimensional refractive-index profiles from interferograms (T), JOSA 65: 1011
- Detecting changes of a specular surface (P), AO 13: 6A26
- Detection and measurement of small vibrations using electronic speckle pattern interferometry (E), AO 16: 1869
- Determination of the dihedral angle errors of a corner cube from its Twyman-Green interferogram (TE), JOSA 67: 467
- Differential interferometry: new applications in ultrasonics (A), JOSA 67: 1444
- Direction-sensitive displacement analysis by multiple frequency holographic interferometry (TE), AO 17: 1213
- Dispersion and white-light interferometric measurements (ET) (L), AO 18: 3213
- Doppler effect in interferometry (A), JOSA 68: 1390
- Doppler paradoxes in interferometry (A), JOSA 69: 1459
- Double-exposure holographic interferometry using commonpath reference waves (ET), AO 16: 1736
- Double-pulsed time differential holographic interferometry (E), AO 16: 229
- Dual index holographic contour mapping over a large range of contour spacings (E) (L), AO 14: 23
- Dynamic laser speckle interferometry applied to transient flexure problem (E) (L), AO 16: 3085
- Dynamics of human teeth in function by means of double pulsed holography: an experimental investigation (E), AO 13: 2481
- Effect of refractive index discontinuity on the reconstruction of the refractive index field (E) (L), AO 16: 2034
- Effects of the atmosphere in stellar speckle interferometry (A), JOSA 66: 181
- Eight-way classification of interferometric and interferential fringes: supplement (E) (L), AO 13: 1737
- Electronic speckle pattern interferometry—today and tomorrow (A), JOSA 69: 1422
- Elimination of wavefront aberration of optical elements used in phase difference amplification (ET), AO 13: 2014
- Energy distribution in a scatterplate interferometer (TE), JOSA 69: 1305
- Envelope interferometry for large-scale processing (T), AO 13: 2689
- Errors associated with interferometric measurement of convective heat transfer coefficients (ET), AO 16: 1720
- Estimating the refractive error in optical measurements of transport phenomena (T), AO 14: 185
- Estimation of spatial power spectra in speckle interferometry (T), JOSA 69: 786
- Evaluating lateral shearing interferograms (T), AO 13: 623
- Evaluation of large aberrations using a lateral-shear interferometer having variable shear (ET), AO 14: 142
- Evaluation of the stress-optical coefficients of transparent solid plates using interferometry (TE), AO 18: 2975
- Evaporographic and pyroelectric image recording for two-dimensional plasma interferometry in the far infrared (E), JOSA 67: 975
- Expanding field of far infrared Fourier transform spectroscopy in the laboratory, industry, and the environment (ER), AO 17: 1332
- Fabrication of metal-dielectric interference filters: a simple method (ET), AO 16: 1890
- Fabry-Perot interferograms of periodic spectra of molecules with large rotational constants (T) (L), JOSA 65: 219
- Fiber-break testing by interferometry: a comparison of two breaking methods (E) (L), AO 16: 818
- Field-widened Michelson spectrometer with no moving parts. Part 2 (T) (L), AO 18: 2726
- Fizeau interferometry for measuring refractive index and thickness of nearly transparent films (TE), AO 17: 3636
- Focusing effects in interferometric analysis of graded-index optical fibers (TE), AO 14: 151
- Focusing errors in a collimating lens or mirror: use of a moire technique (ET), AO 13: 1322
- Four beam holographic interferometry (P), AO 13: 7A26
- Four-exposure hologram moire interferometry and speckle-pattern interferometry: a comparison (E) (L), AO 14: 22
- Frequency determination of visible laser light by interferometric comparison with upconverted CO<sub>2</sub> laser radiation (E), AO 17: 1048
- Fresnel-Fizeau effect in a rotating optical fiber ring interferometer (E) (L), AO 16: 2605
- Fringe contrast dependence on the imaging system aperture stop in hologram interferometry (A), JOSA 69: 1416
- Fringe formation in two-wavelength contour holography (TE), AO 15: 3009
- Fringe interpretation for hologram interferometry of rigid-body motions and homogeneous deformations (T), JOSA 64: 1
- Fringe localization in holographic interferometry of phase objects (A), JOSA 66: 1084
- Fringe localization (T) (L), AO 17: 1853
- Fringe sharpening and diffraction in nonlinear two-exposure holographic interferometry (TE) (L), JOSA 66: 1418
- Fringe vectors and observed-fringe vectors in hologram interferometry (T) (L), AO 14: 272
- Fringe visibility in two hologram interferometry (A), JOSA 68: 1440
- Fundamental limitations of stellar speckle interferometry (A), JOSA 66: 181
- Galaxy profile convolved with the Fabry-Perot instrument function (T), AO 16: 1732
- General theory of time-averaged holography for the study of three-dimensional vibrations at a single frequency (TE), JOSA 68: 924
- Ghost image interferometry (T) (L), AO 17: 172
- Glass inhomogeneity (E) (L), AO 14: 1761
- Heterodyne interferometry in optical testing (A), JOSA 64: 1363
- Higher-order wavefront symmetries and applications to interferometric testing (A), JOSA 64: 1369
- High-performance real-time heterodyne interferometry (ET), AO 18: 1797
- High-resolution interferometer for atmospheric trace molecule spectroscopy (ATMOS) (A), JOSA 68: 1390
- High resolution interference spectrometry with a high factor of merit in the visible spectrum (E), AO 18: 85
- High-speed interferometric wave front sensor (A), JOSA 69: 1455
- Hints and tricks in holographic heterodyne interferometry (A), JOSA 65: 1223
- Hologram interferometry without a reference beam (ET), OL 2: 122
- Hologram repositioning by an interferometric technique (ET), AO 18: 3838
- Holographic determination of rigid-body motions, and application of the method to orthodontics (T), AO 18: 1442
- Holographic interferogram analysis from a single view (TE), AO 13: 630
- Holographic interferometer to test optical surfaces (ET), AO 14: 2280
- Holographic interferometric study of liquid diffusion (TE), AO 18: 343
- Holographic interferometry applied to the measurement of displacements of the interior points of transparent bodies (TE), AO 15: 2176
- Holographic Interferometry. By Charles M. Vest (B). Reviewed by Wyant, James C., AO 18: 3155
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- Holographic interferometry: compensation for rigid body motion (ET), AO 15: 1558
- Holographic interferometry for rotating objects (P), AO 13: 4A26
- Holographic interferometry: identification of circuit board component failure (E) (L), AO 15: 24
- Holographic interferometry: identification of hot spots in a high density circuit board (E) (L), AO 16: 1802
- Holographic interferometry of a large-bore cw high-energy gas-laser medium during laser-power extraction (E), AO 18: 3835
- Holographic interferometry of surface deformations of transparent fluids (E), AO 17: 3101
- Holographic interferometry technique utilizing two plates and relative fringe orders for measuring micro-displacements (E), AO 13: 231
- Holographic interferometry with increased sensitivity for diffusely reflecting objects (E), AO 16: 1054
- Holographic lateral shear interferometer (ET), AO 15: 2695
- Holographic nondestructive testing at the Fourier plane (ET) (L), AO 17: 848
- Holographic particle velocity measurement in the Fraunhofer plane (ET), AO 18: 623
- Holographic strain analysis: an experimental implementation of the fringe-vector theory (ET), AO 17: 3613
- Holographic strain analysis: extension of fringe-vector method to include perspective (T), AO 15: 725
- Holomoe interferometry applied to NDT (ET) (L), AO 17: 3700
- Homogeneous deformations: determination by fringe vectors in hologram interferometry (T), AO 14: 2256
- Hook vernier (TE) (L), AO 18: 3873
- Image information by means of speckle-pattern processing (TE), JOSA 65: 279
- Image sharpness, Fourier optics, and redundant-spacing interferometry (T) (L), JOSA 67: 1122
- Image-shearing camera for direct measurement of surface strains (ET), AO 18: 1046
- Image subtraction/addition system (P), AO 17: 2260
- Image synthesis based on the phase measurable optical interferometry (A), JOSA 66: 634
- Imaging through scattering media with an achromatic interferometer (TE), OL 4: 118
- Implementation of hologram interferometry with a continuously scanning reconstruction beam (ET), AO 17: 1727
- Improvement in birefringent filters. 5: Field of view effects (T), AO 18: 3443
- Improvements in time resolved Fourier spectroscopy (E), AO 17: 1342
- Increasing effective size of holography tables (E) (L), AO 18: 418
- Infrared Fourier spectrometer for laboratory use and for astronomical studies from aircraft and ground-based telescopes (E), AO 14: 2085
- Infrared impurity and free-carrier absorption in silicon-silver films (A), JOSA 67: 252
- Infrared interferometer with a scanned aperture (ET), AO 14: 1997
- Infrared long-baseline interferometry (A), JOSA 64: 522
- Infrared spectroscopic studies of transients (E), AO 17: 1347
- Instrumentation optimization in Fourier spectroscopy. 1: Far infrared beam splitters (T), AO 13: 1807
- Intensity-measuring apparatus using polarization interferometry (P), AO 13: 8A26
- Interactive video digitizer for interferogram analysis (A), JOSA 66: 1117
- Interference fringes formed by an out-of-focus Fabry-Perot etalon with point illumination (E) (L), AO 17: 2480
- Interference in astronomical speckle patterns (T), JOSA 66: 1240
- Interference measurement of continuous heterogeneities in optical materials (E), AO 17: 2956
- Interferometer for measuring power distribution of ophthalmic lenses (ET), AO 14: 1607
- Interferometer for optical testing with computer-generated holograms (E) (L), AO 16: 646



- Interferometric analyses of Ne II and Ar II spectral lines from a hollow-cathode discharge (ET), JOSA 64: 186
- Interferometric angular measurement (E), AO 13: 1646
- Interferometric apparatus (P), AO 13: 6A26
- Interferometric calibration method for two-optic test systems (A), JOSA 64: 1370
- Interferometric data evaluation for large optics (A), JOSA 69: 1418
- Interferometric device for measurement of variations in length of a sample under the influence of temperature (P), AO 15: 1889
- Interferometric measurement of laser fusion targets (TE), AO 17: 3641
- Interferometric measurement of Pb II spectrum (ET), JOSA 64: 1159
- Interferometric measurement of thermal expansion (E) (L), AO 17: 682
- Interferometric measurement of the optical phase distribution for Fresnel diffraction by a straightedge (E), AO 18: 2013
- Interferometric measurement technique for the temperature field of axisymmetric buoyant phenomena (E), AO 17: 2788
- Interferometric method of measuring plotter distortion (ET) (L), AO 13: 1549
- Interferometric null method for measuring stress-induced birefringence (E), AO 13: 1660
- Interferometric observations of Ar I in the photographic region (ET), JOSA 64: 1072
- Interferometric probing of laser produced plasmas (T) (L), AO 15: 1126
- Interferometric recording of the deflections of towers and telescopes (E), AO 14: 885
- Interferometric star tracking (T), AO 13: 414
- Interferometric study of a solid-solid phase transition (E), AO 16: 3206
- Interferometric surface mapping with variable sensitivity (E), AO 17: 740
- Interferometric technique for the reduction of scattered light (A), JOSA 66: 1089
- Interferometric testing (A), JOSA 64: 1362
- Interferometric testing with computer-generated holograms: aberration balancing method and error analysis (TE), AO 17: 558
- Interferometric two-dimensional imaging of rotating objects (TE), OL 1: 54
- Interferometrie in Radioastronomie und Radartechnik. By R. Wohlleben und R. Mattes (B). Reviewed by Silverman, Shirleigh, AO 14: 2804
- Interferometrie in Radioastronomie und Radartechnik. By R. Wohlleben und H. Mattes (B). Reviewed by Meyer-Arendt, Jurgen R., JOSA 64: 112
- Interferometry and reconstruction of strongly refracting objects (A), JOSA 69: 1474
- Interferometry and reconstruction of strongly refracting asymmetric-refractive-index fields (T), OL 4: 311
- Interferometry for determining the rms roughness, autocovariance function, and other statistical properties of optical surfaces (A), JOSA 64: 1362
- Interferometry from 1950 to the present (R), JOSA 67: 871
- Interferometry of strongly refracting axisymmetric objects (A), JOSA 64: 1382
- Interferometry of strongly refracting axisymmetric phase objects (T), AO 14: 1601
- Interferometry using subnanosecond pulses from TEA nitrogen lasers (E), AO 14: 2250
- Interferometry with schlieren microscopy (ET), AO 16: 470
- Interpulse interference and passive laser pulse shapers (ET), AO 15: 3054
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- Inversion of interferometric data from cylindrically symmetric, refractionless plasmas (T), JOSA 69: 927
- Kitt Peak speckle camera (E), AO 18: 1034
- Laboratory-simulated speckle interferometry (E), JOSA 65: 1287
- Lambda meter to facilitate exploitation of narrow line lasers, AO 16: 1849
- Large aperture ac interferometer for optical testing (E), AO 17: 3959
- Laser-anemometer for simultaneous measurements of velocity and density (E) (L), AO 17: 3536
- Laser beam divergence utilizing a lateral shearing interferometer (TE), AO 16: 2753
- Laser interferometric displacement-measuring system for noncontact positioning of a sphere on a rotation axis through its center and for measuring the spherical contour (ET), AO 18: 2881
- Laser speckle interferometry for plate bending problems (TE), AO 15: 2199
- Laser speckle interferometry of semi-Lambertian reflecting surfaces (TE), AO 17: 2329
- Laser wavelength comparison by high-resolution interferometry (A), JOSA 64: 1387
- Laser wavelength comparison by high resolution interferometry (E), AO 15: 734
- Lateral shearing interferometric technique for transparency distortion analysis (E) (L), AO 16: 2603
- Limitation of the observable surface acoustic wave amplitude in frequency-shift holography (TE), AO 17: 1760
- Liquid surface interferometry for the study of surface topography (E) (L), AO 13: 721
- Locating fringes on digitized video interferograms (A), JOSA 66: 1117
- Luminous flux amplification in Fabry-Perot spectrometry (T), AO 17: 3930
- Luminous flux amplification in Fabry-Perot spectrometry: comment (T) (L), AO 18: 1475
- Luminous flux amplification in Fabry-Perot spectrometry: authors' reply to comment (T) (L), AO 18: 1476
- Lummer-Gehrcke interferometer modified for the spectroscopy of thin dielectric films (ET), AO 15: 2730
- Mach-Zehnder data reduction method for refractively inhomogeneous test objects (T), AO 14: 634
- Mach-Zehnder data reduction method for refractively inhomogeneously test objects: comments (T) (L), AO 14: 2336
- Mach-Zehnder data reduction method for refractively inhomogeneous test objects: reply to comments (T) (L), AO 14: 2336
- Mapping of optical surfaces with quarter wavelength fringes (E), AO 17: 744
- Mapping of optical surfaces with quarter wavelength fringes (errata), AO 17: 1990
- Measurement by holographic interferometry of the deformation of the eye accompanying changes in intraocular pressure (E) (L), AO 17: 3538
- Measurement of atmospheric speckle isoplanicity (A), JOSA 66: 1077
- Measurement of deformation in a cylindrical shell by holographic interferometry (ET), AO 13: 1080
- Measurement of flow velocity distribution by means of double-exposure holographic interferometry (E), JOSA 67: 1117
- Measurement of small vibrations using electronic speckle pattern interferometry (T), JOSA 67: 1578
- Measurement of steep aspheric surfaces (E), AO 17: 553
- Measurement of subspeckle-size changes by laser-speckle photography (ET), OL 4: 406
- Measurement of the rotation and translation of diffusely reflecting objects by tuning the direction of reconstruction beam in holographic interferometry (A), JOSA 69: 1456
- Measurement of three-dimensional displacements by scanning a double-exposure hologram (E), AO 13: 1337
- Measurements of atmospheric isoplanatism using speckle interferometry (E), JOSA 68: 169
- Measurements of the isoplanatic angle using speckle interferometry (A), JOSA 66: 1077
- Measurement techniques for small absorption coefficients: recent advances (R), AO 16: 2827
- Measuring fluid velocities with speckle patterns (E), OL 1: 135
- Measuring the displacement field inside a stressed sample (T) (L), AO 16: 813
- Mechanical vibrations: mapping their phase with hologram interferometry (ET), AO 15: 195
- Mechanical vibrations: mapping their phase with hologram interferometry (T) (L), AO 16: 1140
- Michelson interferometer for detection of fast displacements of less than a quarter-wave over small areas (E), AO 14: 1616
- Microscope techniques (N), AO 13: 260
- Mode coupling by circular apertures (T), AO 15: 2800
- Moiré-holography method for measuring inhomogeneous distributions of refractive index (T) (L), AO 13: 1551
- Moiré interferometry (ET), AO 18: 1275
- Moiré interferometry strain measurements in elastic thin membranes (E), AO 18: 3841
- Moiré interferometry with white light (E), AO 18: 4163
- Multicolor interferometric testing (A), JOSA 67: 1365
- Multimode fiber optic interferometry (A), JOSA 69: 1448
- Multislit one-step rainbow holographic interferometry (ET) (L), AO 18: 6
- Multi-telescope systems for optical astronomy (A), JOSA 65: 1191
- Multiwavelength multislit rainbow holographic interferometry (A), JOSA 68: 1443
- Multiwavelength rainbow holographic interferometry (E), AO 18: 212
- Mutual coherence function in radio astronomy (T), JOSA 69: 554
- Near infrared wide-band spectroscopy with 27-MHz resolution (E), AO 16: 2097
- New 10- $\mu$ m infrared interferometer and its applications (E), AO 14: 890
- Night sky spectral emission measurements ( $\lambda$ 0.9–2.3  $\mu$ m) using a field-widened interferometer-spectrometer (E), AO 18: 3386
- Noise considerations in stellar speckle interferometry (T), JOSA 67: 1176
- Nonglobal, nonlinear interpolation of wave fronts from interferograms (A), JOSA 66: 1117
- Nonisoplanatic effects in speckle interferometry (A), JOSA 66: 1077
- Nonlinear recording in holographic interferometry (TE), JOSA 69: 696
- Observation of large particles with a laser interferometer (ET), AO 13: 610
- Obtaining information through the atmosphere at the diffraction limit of a large aperture (T), JOSA 65: 755
- Optical analysis of CO<sub>2</sub> laser system using infrared interferometry (A), JOSA 68: 1390
- Optical constants of absorbing materials by transmission interferometry on medium-thickness films (TE), JOSA 69: 725
- Optical constants of gold by transmission interferometry (E), JOSA 67: 630
- Optical detection of acoustic emission waves (E) (L), AO 16: 2333
- Optical fiber gyroscopes: Sagnac or Fizeau effect? (TE) (L), AO 18: 1293
- Optical field mapping using single-mode optical fibers (E), AO 17: 1965
- Optical frequency shifter for heterodyne interferometers using multiple rotating polarization retarders (T) (L), AO 17: 3034
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- Optical measurements of degradation in aircraft boundary layers (A), JOSA 69: 1409
- Optical method for measuring contour slopes of an object (A), JOSA 65: 1187
- Optical method for measuring contour slopes of an object (ET), AO 17: 128
- Optical properties of thin chromium films (TE), JOSA 64: 823
- Optical properties of water in the neighborhood of 35 °C (E) (L), JOSA 64: 105
- Optical-wave field determined over a hemispherical boundary surface (T), JOSA 65: 999
- Optical window interferograms: a simple method for their evaluation (ET), AO 16: 2134
- Optimum resolution gain with prolate spheroidal wave functions (T) (L), JOSA 64: 404
- Parallax based determination of fringe localization in holographic interferometry (A), JOSA 68: 1440
- Parallelity criteria for samples to be studied using Fabry-Perot interferences (T), AO 16: 2847
- Particle sizing using laser interferometry (TE), AO 16: 1861
- Particle velocity distribution measurement by holography (ET), AO 18: 3156
- Pattern comparison by interference fringe scanning (E), AO 13: 1089
- Performance of a Michelson interferometer with asymmetric surface defects distribution (T) (L), AO 13: 1553
- Performing holographic interferometry (P), AO 15: 584



- Phase determination by conjugate wave-front generation (T) (L), JOSA 68: 1135
- Phase discrepancies in asymmetric interferograms and application to nonlinearities in Fourier spectroscopy (T), JOSA 65: 825
- Phase measurement in heterodyne interferometry using integrating detectors (A), JOSA 69: 1455
- Phase-nulling fiber-optic laser gyro (ET), OL 4: 93
- Phase retrieval from modulus data (T), JOSA 66: 961
- Phase-shift double-exposure holographic interferometry (A), JOSA 65: 1186
- Photoelastic constants of potassium chloride at  $10.6\ \mu\text{m}$  (ET), AO 16: 2925
- Piecewise interferometric generation of precision gratings (TE), AO 16: 555
- Pièges à lumière interférentiels à larges bandes azimutales et spectrales (ET), AO 13: 1605
- Point-diffraction interference microscopy (A), JOSA 69: 1455
- Polar-shearing interferometry (A), JOSA 64: 1370
- Practical aspects of ac moiré-fringe interferometry (A), JOSA 64: 1369
- Practical speckle interferometry for measuring in-plane deformation (E), AO 14: 878
- Precise interferometric laser-wavelength measurements: progress report (A), JOSA 66: 1099
- Precise interferometric laser wavelength measurements: status report (A), JOSA 67: 1413
- Precision interferometer calibration technique for wavelength measurements: iodine wavelengths at 633 nm and  $H_\alpha$  (E), AO 18: 1983
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- Problem in the determination of correlation functions (errata), JOSA 68: 277
- Problem in the determination of correlation functions. II (T) (L), JOSA 69: 634
- Problem of defocusing in speckle photography, its connection to hologram interferometry, and its solutions (T), JOSA 66: 1267
- Procède de mesure interférométrique utilisant le speckle et son application à l'instrumentation pétrolière (ET), AO 16: 1754
- Processing stellar speckle interferometry data (T), JOSA 68: 1271
- Progress in Optics, Vol. 16. Edited by Emil Wolf (B). Reviewed by Hawkes, P. W., AO 18: A180
- Projection matrices in hologram interferometry (T), JOSA 69: 1705
- Propagation of spatial pulses in interferometrically produced guiding structures (TE), AO 14: 2614
- Pulse clipping for holographic interferometry (E) (L), AO 15: 23
- Pulsed HF laser holographic interferometry (E), AO 14: 628
- Pulsed sandwich holography (E), AO 16: 1727
- Pump-induced optical distortions in disk amplifier modules: holographic and interferometric measurements (E), AO 14: 3057
- Rapid spatially scanning IR heterodyne interferometer (E), AO 18: 615
- Real-time double-exposure interferometry with  $\text{Bi}_{12}\text{SiO}_{20}$  crystals in transverse electrooptic configuration (E) (L), AO 16: 1807
- Real-time holographic interferometry: a system (E), AO 15: 729
- Real time measurement of very small transverse displacements of diffuse objects by random moiré. 1: Theory (T), AO 15: 1241
- Real time measurement of very small transverse displacements of diffuse objects by random moiré. 2: Experiments (E), AO 15: 1248
- Real-time optical-image subtraction (A), JOSA 64: 1402
- Real-time superresolution optical system using multiple lasers and a TV system (ET) (L), AO 15: 851
- Reconstructed images of Alpha Orionis using stellar speckle interferometry (A), JOSA 66: 1247
- Reconstructed images of Alpha Orionis using stellar speckle interferometry (E), JOSA 66: 1243
- Reconstructions of images of partially coherent objects from samples of mutual intensity (TE), JOSA 67: 796
- Recording slope and curvature contours of flexed plates using a grating shearing interferometer (TE), AO 16: 2504
- Recording the parallelism of optically contacted Fabry-Perots (E), AO 15: 3006
- Reflection effects in interferometry (ET), AO 14: 2468
- Relation between the angular dependence of scattering and the statistical properties of optical surfaces (TE), JOSA 69: 31
- Relative flatness measurement of uncoated optical flats (E), AO 14: 3082
- Relative phase shift of images reconstructed by phase and amplitude holograms (E) (L), AO 14: 273
- Remote vibration measurement of rough surfaces by laser interferometry (ET), AO 14: 1621
- Removal of fringes caused by window irregularities from holographic interferograms (A), JOSA 68: 1389
- Resolution of partially coherent objects by use of speckle interferometry (T), JOSA 64: 155
- Results on the imaging of incoherent sources through turbulence (T), JOSA 66: 574
- Rotational Raman interferometric technique to measure gas temperatures (TE), AO 14: 383
- Sampling requirements in interferogram reduction (A), JOSA 64: 1369
- Sandwich hologram interferometry (A), JOSA 64: 552
- Sandwich hologram interferometry: a new dimension in holographic comparison (ET), AO 13: 2019
- Sandwich hologram interferometry. 2: Some practical calculations (TE), AO 14: 981
- Sandwich hologram interferometry. 3: Contouring (TE), AO 15: 200
- Sandwich hologram interferometry. 4: Holographic studies of two milling machines (E), AO 16: 2521
- Sandwich hologram interferometry. 5: Measurement of in-plane displacement and compensation for rigid body motion (ET), AO 18: 2870
- Saturated-interference spectroscopy (E), OL 2: 112
- Scattering by glass microballons and multitone interferometry (A), JOSA 66: 1135
- SCLERA filter: an interferometric tunable optical filter (A), JOSA 66: 1089
- Sensitivity improvement by step-biased holographic interferometry (A), JOSA 65: 1186
- Shearing interferometer (P), AO 14: A78
- Shearing interferometer inaccuracies due to a misaligned test section (TE) (L), AO 17: 2873
- Shearing interferometry in polar coordinates (TE), JOSA 64: 1606
- Shifted reference holographic interferometry: comment on (L), AO 13: 1280
- Short exposure and biasing holography (E) (L), AO 16: 811
- Signal-to-noise ratios of multiplexing spectrometers in high backgrounds (T) (L), AO 17: 684
- Source noise in Fourier-transform spectroscopy (TE) (L), JOSA 64: 1019
- Space-time analysis in stellar speckle interferometry (A), JOSA 69: 1441
- Spatial coherence of a ruby laser beam by interferometry (ET), AO 17: 3500
- Spatial irradiance interferometry with sources of arbitrary symmetry, JOSA 64: 11
- Spatially resolved excitation temperature measurements in a hypersonic flow using the hook method (E), AO 16: 1376
- Speckle holography measurements of the stars Zeta Cancri and ADS 3358 (E) (L), AO 17: 2660
- Speckle interferometry lens-atmosphere MTF measurements (E), JOSA 66: 1252
- Speckle interferometry on the 2.5 m Isaac Newton telescope (A), JOSA 66: 181
- Speckle interferometry on the 2.5 m Isaac Newton telescope (ET), JOSA 66: 1247
- Speckle interferometry with severely aberrated telescopes (E) (L), JOSA 67: 1277
- Speckle interferometry with television systems (A), JOSA 66: 183
- Speckle-pattern intensity and phase: second-order conditional statistics (T), JOSA 69: 1690
- Speckle-shearing interferometric technique: a full-field strain gauge (ET), AO 14: 618
- Speckle-shearing interferometry: a simple optical system (ET) (L), AO 14: 2563
- Spectral remote sensing of temperature distribution in semitransparent solids heated by an external radiation source (ET), AO 14: 428
- Spectroscopic photoelectric imaging Fabry-Perot interferometer: its development and preliminary observational results (E), AO 15: 717
- Spherical aberration measurement with shearing interferometer using Fourier imaging and moiré method (ET), AO 14: 623
- Statistical analysis of errors in holographic interferometry (A), JOSA 66: 1085
- Statistical analysis of errors in holographic interferometry (T), AO 17: 2198
- Strain analysis by one-beam laser speckle interferometry. 1: Single aperture method (TE), AO 15: 2205
- Strain analysis by one-beam laser speckle interferometry. 2: Multiaperture method (TE), AO 18: 2175
- Study of distortion in pumped laser media (A), JOSA 64: 559
- Superposition fringes as a measuring tool in optical testing (TE), AO 18: 2364
- Surface-interferometry techniques (A), JOSA 64: 1361
- Surface profile comparison of machined surfaces by  $10\ \mu\text{m}$  speckle interferometry (A), JOSA 66: 183
- Surface roughness measurement by two wavelength holographic interferometry (T), AO 13: 1085
- Synthetic-aperture radar and multiplex spectroscopy (T) (L), JOSA 64: 402
- Synthetic interferometric imaging (A), JOSA 66: 1089
- Synthetic interferometric imaging technique for moving objects (TE), AO 15: 1923
- System for real-time holographic interferometry (A), JOSA 64: 1382
- Technique for absolute definition of spherical surface errors: its use in interferogram analysis (T), AO 18: 2372
- Techniques of holographic displacement measurement: an experimental comparison (ET), AO 17: 1748
- Techniques of holographic displacement measurement: an experimental comparison (errata), AO 17: 2873
- Temperature and pressure effects on pressure-scanned etalons and gratings (T), AO 14: 1585
- Temperature soundings with partially scanned interferograms (T), AO 16: 326
- Temporal- and spatial-intensity-interferometer imaging through a random medium (ET), JOSA 65: 760
- Testing the sphericity of short radii convex surfaces (E) (L), AO 13: 229
- Testing the trueneess of circular surfaces: a simple holographic method (ET), AO 18: 627
- Testing the trueneess of circular surfaces by laser speckle photography (ET) (L), AO 18: 2351
- Theory of alignment monitoring by diffraction from superimposed dual gratings (T), JOSA 68: 1716
- Thermal expansion ultraprecise measurements (E) (L), AO 16: 1804
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- Time average holographic interferometry with photoconductive electrooptic  $\text{Bi}_{12}\text{SiO}_{20}$  crystals (E) (L), AO 16: 2796
- Time-resolved interferometric technique and measurements of the nonlinear refractive index of laser materials (A), JOSA 66: 388
- Two-dimensional white light coherence interferometer (E) (L), AO 13: 2760
- Two-frequency laser interferometer for small displacement measurements in a low frequency range (ET), AO 18: 219
- Two-hologram interferometry: a simplified sandwich technique (E) (L), AO 15: 848
- Two-reference-beam holographic interferometry (TE), JOSA 66: 23
- Unconventional generation of interferometric patterns of diffuse objects (A), JOSA 66: 1085
- Unconventional interferometric realizations based on holographic nonlinear effects (TE), AO 16: 1400



- Unified approach for time-average holography of separable motions (A), JOSA 69: 1409
- Up-down frequency shifter for optical heterodyne interferometry (T) (L), JOSA 65: 960
- Use of chirping to compensate for nonlinearities in Fourier spectroscopy (TE), JOSA 64: 485
- Use of fringe vectors in hologram interferometry to determine fringe localization (T) (L), JOSA 66: 626
- Very-high-resolution far-infrared measurements of atmospheric emission from aircraft (E), JOSA 67: 917
- Very-long-baseline astronomy—continuum radiation sources (A), JOSA 64: 522
- Very-long-baseline interferometer astronomy—molecular line radiation sources (A), JOSA 64: 522
- Very-long-baseline interferometer applications to earth and planetary sciences (A), JOSA 64: 522
- Very-long-baseline interferometry—achievements and prospects (A), JOSA 64: 522
- Vibrational and rotational-translational temperatures in  $N_2$  by interferometric measurement of the pure rotational Raman effect (E), JOSA 65: 392
- Vibration phase mapping using electronic speckle pattern interferometry (E), AO 15: 2701
- Video apparatus for observing object changes using real time holographic interferometry (P), AO 14: A78
- Viewing refractive-index profiles and small-scale inhomogeneities in glass optical fibers: some techniques (E), AO 13: 2365
- Wave-front reconstruction from variable shear interferometry (A), JOSA 69: 1454
- Wavelength, bandpass, and exposure time effects in speckle interferometry (A), JOSA 67: 1390
- Weakly absorbing layers: interferometric determination of their optical parameters (ET), AO 17: 3738
- White-light interferometry and phase-locked pulse analysis (T), OL 1: 56
- Zernike test. 1: Analytical aspects (T), AO 16: 205
- Zernike test. 2: Experimental aspects (E), AO 16: 214

## International Commission for Optics

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## Iodine

- Beam-foil investigation of the iodine spectrum (A), JOSA 67: 1384
- Doubly resonant intracavity generation of second harmonic of 1153-nm radiation with stabilization on hyperfine structure components of  $^{127}I_2$  (E), AO 18: 3970
- Effect of continuum configuration interaction on the position of  $sp^6$  in neutral chlorine and other halogens (T), JOSA 64: 1474
- Iodine spectrometer for low-shifted light scattering (ET), JOSA 65: 22
- Molecular iodine frequency markers for dye-laser spectroscopy (A), JOSA 64: 1380
- Multiconfiguration Hartree-Fock study of the interaction between  $sp^6$  and  $s^2p^2d$  in the Cl I, Br I, and I I isoelectronic sequences with particular emphasis on the neutral halogens (T), JOSA 67: 754
- Position of the  $sp^6$  configuration in the neutral halogens (ET) (L), JOSA 64: 1017
- Radiative-lifetime measurements for I I and I II (E), JOSA 69: 253

## Iridium

- Optical constants for iridium films from 40 to  $0.03 \mu m$  (A), JOSA 64: 1383

## Iron

- Classification of Be I-like and B I-like iron and vanadium spectra from laser-produced plasmas (TE), JOSA 68: 48

- L-series satellite spectra in Ti XII and Fe XVI (E), JOSA 69: 1133
- Observations of  $3p^3d-3p^24f$  and  $3p^3d-3p^2d4s$  transitions in iron, cobalt, nickel, and copper (ET), JOSA 66: 240
- $1s-3p$   $K\beta$ -like x-ray spectrum of highly ionized iron (E), JOSA 67: 148
- $2s^2 2p^4.2s 2p^{4+1}$  transitions in the F I to Be I isoelectronic sequences of chromium, iron, and nickel from tokamak-produced plasmas (E), JOSA 69: 1652
- Surface polariton in the ATR angular spectra of a thin iron film bounded by dielectric layers (TE), JOSA 68: 1325
- Transition probabilities for the resonance transitions of Na-like ions (T), JOSA 68: 836

## Isotope separation

- Adiabatic excitation of colliding molecules and its application to isotope separation (A), JOSA 68: 685
- Carbon dioxide laser absorption and reaction probability measurements in  $S_2F_{10}$  (A), JOSA 68: 683
- Depletion optimization and photon efficiency in laser isotope separation of deuterium (T), AO 17: 785
- Excitation and selective dissociation by absorption of laser light and application to isotopic enrichment (P), AO 18: 3501
- Heterogeneous condensation of  $BCl_3$  in the presence of  $CO_2$  laser irradiation (E), OL 3: 10
- Hydrogen-deuterium separation using cw  $CO_2$  laser-induced vibrational photochemistry of methane (A), JOSA 68: 1641
- Infrared double resonance of highly vibrationally excited  $SF_6$  (A), JOSA 68: 686
- Infrared multilayer partial mirror effective from  $1.3 \mu m$  to  $16 \mu m$  (L), AO 18: 3370
- Initial distribution of energy and isotopic enrichment in the products of  $CO_2$  laser-induced dissociation of halocarbon molecules (A), JOSA 68: 684
- Investigation of the collisional processes in the laser isotope separation (A), JOSA 68: 686
- Isotope-selective dissociation of the  $OsO_4$  molecule by two pulses of infrared radiation at different frequencies (E), OL 1: 22
- Isotope separation and internal energy distribution in multiphoton isomerization induced by an infrared laser (A), JOSA 68: 1640
- Laser chemistry experiments with  $UF_6$  (A), JOSA 68: 684
- Laser-induced chemistry in  $UF_6$  + alkane systems (A), JOSA 68: 687
- Laser isotope separation of rare earth elements (E), AO 17: 856
- Multiple-photon dissociation of molecules by two IR pulses and separation of heavy isotopes (A), JOSA 68: 686
- Photolytic separation of D from H in cryogenic solutions of formaldehyde (A), JOSA 68: 1643
- Physics of Quantum Electronics, Volume 4, Laser Photochemistry, Tunable Lasers, and Other Topics. Edited by Stephen F. Jacobs, Marlan O. Scully, Murray Sargent III, and Charles F. Walker (B), Reviewed by Young, Matt, JOSA 67: 849
- Pressure dependence of the multiphoton dissociation threshold of  $SF_6$  (A), JOSA 68: 683
- Requirements for deuterium separation via multiphoton dissociation (A), JOSA 68: 685
- Separation and enrichment of lithium isotopes by laser (P), AO 18: 3937
- Spontaneous laser action in laser isotope separation (T) (L), AO 15: 1651
- TEA  $CO_2$  laser initiated dissociation of  $SF_6$  (A), JOSA 68: 687

## Isotope shifts

- Correlation of isotope shifts with  $\psi(0)^2$  for actinide configurations (T), JOSA 67: 1314
- Isotope shifts in the near infrared lines of the arc spectrum of krypton (E), JOSA 69: 503
- Measurement of the He  $1s2s$   $^1S_0$  isotopic shift using a tunable VUV anti-Stokes light source (E), OL 3: 162

## Japan

- Scientific Bulletin, Department of the Navy, Office of Naval Research Tokyo: Volume 1, No. 1 (B), Reviewed by Silverman, Shirleigh, AO 15: 2607

## Jupiter

- Infrared radiometer for the Pioneer 10 and 11 missions to Jupiter (E), AO 13: 2623
- Pioneer 10: images from Jupiter (A), JOSA 64: 1376
- Satellite may have sodium chloride on surface (N), AO 13: 2539

## Krypton

- Absorption spectrum of krypton in the vacuum UV region (E), JOSA 69: 159
- Beam-foil mean-life measurements in krypton (E), JOSA 66: 1396
- Beam-foil spectra of krypton (A), JOSA 66: 1067
- Beam-foil study of krypton between 400 and 800 Å (ET), JOSA 66: 433
- Configurations of  $4s^24p^4$  and  $4s4p^5$  in Rb IV and Sr V (E), JOSA 64: 696
- Continued-factorization method for optical dispersion (T), JOSA 64: 1582
- Excited states data (N), AO 13: 3A16
- Experimental lifetimes of levels belonging to the  $4p^5 nd$  ( $n=4,5,6,7$ ) configurations of Kr I (TE) (L), JOSA 69: 1618
- Grotrian charts for atoms and ions of rare gases (ET) (L), JOSA 64: 396
- Hyperfine structure in the arc spectrum of  $^{83}Kr$  (E), JOSA 67: 1638
- Hyperfine structure in the arc spectrum of  $^{83}Kr$  (errata), JOSA 68: 1155
- Isotope shifts in the near infrared lines of the arc spectrum of krypton (E), JOSA 69: 503
- Pulsed high-pressure lamp for the vacuum ultraviolet (E), JOSA 64: 1175
- Radiative lifetimes, absolute transition probabilities, and oscillator strengths in Kr II (T), JOSA 67: 155
- Radiative lifetimes and collisional deactivation rates  $4p^45p$  configuration of singly ionized krypton (E), JOSA 65: 1359
- Relative transition probabilities in Kr II (A), JOSA 65: 1187
- Transition probabilities in the spectra of NE I, Ar I, and Kr I (T), JOSA 66: 245

## Lamps

- See also Sources
- Ablative flashlamps for high peak power dye lasers (E), AO 16: 2293
- Acoustical resonances in modulated compact arc lamps (TE) (L), AO 16: 819
- Catoptric lens arrangement (P), AO 14: 1459
- Computer synthesized filament images from reflectors and through lens elements for lamp design and evaluation (TE), AO 14: 2384
- Direct calibration of laser wavelength and bandwidth using the optogalvanic effect in hollow cathode lamps (E) (L), AO 16: 2617
- Direct current cathaphoretic effects on Hg 2537-Å radiation from Hg + Ar discharges (dc fluorescent lamps) (E), AO 15: 64
- Effect of electron deexcitation and self-absorption on the intensity of the Hg 2537-Å radiation from Hg + Ar discharges (ac fluorescent lamps) (ET), AO 13: 2164
- Flashlamp drive circuit optimization for lasers (E), AO 16: 1578
- Stabilizing tungsten-ribbon pyrometer lamps with silicon photodiodes (A), JOSA 65: 1179

## Languages

- Arabian names and arabic numerals (L), AO 17: 325
- Bilingualism (N), AO 16: A79
- Bilingual problems (N), AO 16: A110
- Bilingual problems (N), AO 16: A125
- English dictionaries (N), AO 13: 10A11
- English dictionaries (N), AO 13: 11A11
- English dictionaries (N), AO 13: 12A11
- English improvement (N), AO 13: 4A11
- English simplified spelling (N), AO 18: A15
- English spelling (N), AO 13: 9A11
- English spelling reform (N), AO 18: A39
- English spelling reform (N), AO 18: A63
- International (N), AO 16: A97
- Specialized dictionaries (N), AO 18: A105
- Spelling of metric terms (N), AO 13: 6A11
- Spelling of metric terms (N), AO 13: 7A11
- World language problems English origins (N), AO 18: A171

## Lanthanides

- Systematics in the relative energies of some low-lying electron configurations in the gaseous atoms and free ions of the lanthanide and actinide series (TE), JOSA 64: 687



## Lanthanum

- Complete resolution of hyperfine structure in the close doublet  $\lambda 5930.6$  of  $^{139}\text{La}$  by laser-atomic-beam spectroscopy (ET), JOSA 67: 1230
- Hyperfine structure of excited, odd-parity levels in  $^{139}\text{La}$  by laser-atomic-beam fluorescence (E) (L), JOSA 68: 1348
- Index of refraction of some rare-earth halides at 6328 (E) (L), JOSA 65: 357
- Measurement of the lifetimes of the  $^2F_{5/2}$ ,  $^2D_{3/2}$ ,  $^2G_{5/2}$ , and  $^2D_{3/2}$  states of lanthanum (E), JOSA 68: 842
- Resonance lines and energy levels of Cs III, Ba IV, and La V (ET), JOSA 66: 590
- Resonance lines of Cs II, Ba III, and La IV (E), JOSA 65: 638
- Spectrum and energy levels of triply ionized lanthanum (La IV) (TE), JOSA 69: 511
- Variations energetiques de l'absorption optique du lanthane et du praseodyme pris en couches minces (E), AO 13: 599

## Laser damage

See also Lasers

- Absorbing precipitates in cadmium telluride: estimates for catastrophic laser-damage thresholds (A), JOSA 67: 254
- Absorbing precipitates in cadmium telluride: estimates for catastrophic laser-damage thresholds (T), AO 16: 2931
- Burn-through of thin aluminum foils by laser-driven ablation (A), JOSA 68: 544
- Closure of pinholes under intense laser radiation (E), AO 16: 2328
- Contribution of multiple reflections to thermal runaway in germanium (T) (L), AO 18: 3880
- Damage mechanisms at  $10.6\ \mu\text{m}$  in windows and reflectors (A), JOSA 66: 166
- Damage resistance of holographic and ruled gratings used as laser wavelength-tuning elements (A), JOSA 66: 383
- Damage-resistant optical components for 2–5  $\mu\text{m}$  laser systems (A), JOSA 66: 383
- Damage threshold variation with spot size at  $10.6\ \mu\text{m}$  for Kalvar and Polaroid films (E) (L), AO 18: 424
- Efficacy of ion polishing optical surfaces (E) (L), AO 16: 1486
- Electric fields in multilayers at oblique incidence (T), AO 15: 2339
- Focusing method used in laser damage experiments (E) (L), AO 15: 2024
- High-power laser-induced damage in optical components (A), JOSA 66: 383
- Improved damage thresholds for metal mirrors (E) (L), AO 13: 1286
- Inhomogeneous interface laser mirror coatings (E), AO 18: 2979
- Irreversible laser damage in IR detector materials (A), JOSA 67: 254
- Irreversible laser damage in IR detector materials (ET), AO 16: 2934
- Laser damage resistance and standing-wave fields in dielectric coatings (A), JOSA 66: 166
- Laser-damage resistant coatings for the  $16\text{-}\mu\text{m}$  region (E) (L), AO 17: 3858
- Laser damage versus absorbance of high reflectors at  $1.06\ \mu\text{m}$  (A), JOSA 69: 1446
- Laser-induced damage at  $1064\ \text{nm}$ ,  $125\ \text{psec}$  (E), AO 16: 1204
- Laser-induced damage in electro-optical crystals (A), JOSA 67: 1443
- Laser induced damage in optical materials, symposium, Boulder, 22–23 May 1974 (N), AO 13: 517
- Laser induced damage in optical materials: 6th ASTM symposium (ET), AO 14: 698
- Laser induced damage in optical materials: 7th ASTM symposium (R), AO 15: 1510
- Laser induced damage in optical materials: 8th ASTM symposium (R), AO 16: 1214
- Laser induced damage in optical materials: ninth ASTM symposium (R), AO 17: 2386
- Laser induced damage in optical materials: tenth ASTM symposium (ER), AO 18: 2112
- Laser-induced damage in optical materials, symposium, Boulder, 22–23 May 1974 (N), JOSA 64: 419
- Laser induced damage to optical materials, 1973: a conference report (R), AO 13: 74
- Laser-induced surface damage of infrared nonlinear materials (E), AO 15: 3062
- Measurements at  $1.06\ \mu\text{m}$  of the laser damage threshold of multilayer dielectric coatings (A), JOSA 66: 165

- Multiple-beam apparatus for rapid large-spot laser-damage measurements (A), JOSA 66: 384
- Nature of transient light signal diffracted from optically etched gratings (E) (L), AO 15: 2954
- Observation of changes induced by picosecond light pulses in suspensions of dipalmitoyl phosphatidyl choline vesicles (E) (L), AO 18: 1876
- Ocular hazard from UV laser exhibiting self-mode-locking (E) (L), AO 17: 1482
- Ocular hazards of near-UV laser radiation (A), JOSA 66: 79
- Ocular tissue damage due to ultrashort  $1060\text{-nm}$  light pulses from a mode-locked Nd:glass laser (E) (L), AO 14: 1759
- Ophthalmic hazards associated with laser endoscopy (E), AO 18: 1816
- Optical coating design with reduced electric field intensity (T), AO 16: 1880
- Optical device with liquid coating (P), AO 17: 1470
- Optical parametric oscillator threshold and linewidth studies (A), JOSA 68: 1395
- Pulse laser damage in infrared materials (A), JOSA 67: 254
- Reducing the danger of flare images in laser focusing objectives (T), AO 17: 3812
- Refractive-index dependence of pulsed-laser-induced damage (ET), OL 4: 256
- Retinal tissue damage induced by single ultrashort  $1060\ \text{nm}$  laser light pulse (ET) (L), AO 17: 2871
- Short pulsed  $\text{CO}_2$  laser damage studies on pyroelectric materials (A), JOSA 69: 1472
- Similarities and dissimilarities in the biological effects of laser and ultrasonic radiation (A), JOSA 69: 1440
- Single-shot and multiple-shot damage in laser materials: statistical considerations (A), JOSA 66: 1119
- Space charge fields: a fringe technique for observing such fields during hologram writing in  $\text{LiNbO}_3$  (E), AO 15: 1258
- Statistical analysis of defect-caused laser damage in thin films (T), AO 16: 1563
- Super-high damage thresholds for RF-sputtered  $\text{TiO}_2$  films (A), JOSA 66: 78
- Temperature dependence of absorbance in laser damage of metallic mirrors: I. Melting (T), JOSA 69: 847
- Temperature dependence of absorbance in laser damage of metallic mirrors: II. Vaporization and heating the vapor (T), JOSA 69: 859
- Temporal development of optically etched gratings: a new method of investigating laser-induced damage (E), AO 13: 1399
- Thermal pulse damage thresholds in cadmium telluride (E), AO 14: 2234
- Ultrasonic cleaning and laser surface damage threshold (E) (L), AO 16: 1130

## Laser-induced collisions

See also Lasers

- Observation of a laser-induced dipole-quadrupole collision (E), OL 4: 265

## Lasers

- See also specific types, subtopics and applications such as: Beams; Modes; Picosecond phenomena; Pulses; Resonators; Spectroscopy, laser; Thermal blooming
- Aberration expansion and evaluation of the quasi-Gaussian beam by a set of orthogonal functions (T), JOSA 64: 850
- Absolute measurement of very low sodium-vapor densities using laser resonance fluorescence (E), JOSA 65: 199
- Absolute reference calorimeter for measuring high power laser pulses (E), AO 15: 3115
- Absorption in laser-produced plasma experiments: a personal view (ET,R), AO 18: 3555
- Acoustic beam splitter for infrared lasers (P), AO 13: 6A26
- Active annular-beam laser autocollimator system (E), AO 14: 1890
- Active laser resonator control techniques (T) (L), AO 17: 1671
- Active mode locking of the XeF excimer laser (A), JOSA 66: 1108
- Airborne laser Doppler velocimeter (E), AO 13: 2890
- Air breakdown in a radial-mode focusing element (TE), AO 13: 104
- Algebraic model for cw thermal-blooming effects (T), AO 18: 2638
- Aligning the angle sensor for detecting the angular jitter of high-energy laser beam (A), JOSA 64: 1377
- Aluminum-coated Pyrex double-ellipse laser cavity (E) (L), AO 16: 2619
- Amplifier system with increased energy extraction (P), AO 17: 680
- Analysis and prediction of laser scattering from rough-surface materials (T), JOSA 69: 610
- Analysis of the frequency spectrum of laser light scattered from moving rough objects (T), JOSA 67: 1091
- Analysis of the saturation of molecular absorption (A), JOSA 65: 1207
- Annular lens soft aperture for high power laser systems (T) (L), AO 15: 1379
- Annular lens soft aperture for high power laser systems: comments (T) (L), AO 16: 1482
- Annular lens soft aperture for high power laser systems: reply to comments (T) (L), AO 16: 1484
- Anti-laser optical filter assembly (P), AO 13: 2439
- Antitrust suit (N), AO 17: 3215
- Apparatus for compensating for thermally introduced distortions in reflecting surfaces (P), AO 18: 3958
- Apparatus for guiding a rotating moving body (P), AO 18: 3804
- Apparatus for locking the frequency of a laser to an atomic absorption line (P), AO 13: 1727
- Apparatus for regulating the position of a laser light source transmitting a light beam (P), AO 15: 833
- Apparatus for uniform pumping of lasing media (P), AO 15: 2037
- Apparatus to transform a single laser beam into two parallel beams of adjustable spacing and intensity (P), AO 16: 2790
- Application of the boundary-diffraction-wave theory to Gaussian beams (T), JOSA 64: 1545
- Applications for laser chemical vapor deposition (A), JOSA 69: 1461
- Approximate formulas for characterizing saturated gas-laser amplifiers (A), JOSA 68: 1388
- Approximate optical system model (T), AO 15: 1075
- Assembly for precisely directing energy (N), AO 13: 2906
- Asymmetric focusing of a laser beam in  $\text{TEM}_{01}$  doughnut mode in a nonlinear dielectric (T), JOSA 64: 941
- Asymptotic analysis of unstable laser resonators with circular mirrors (A), JOSA 68: 551
- Atmospheric beam-wander cancellation by a fast-tracking transmitter (E) (L), JOSA 64: 1015
- Atmospheric pollutant sensing device (P), AO 13: 977
- Atmospheric temperature profiles from lidar measurements of rotational Raman and elastic scattering (T), AO 15: 2896
- Atomic calcium laser: pumped via collision-induced absorption (A), JOSA 68: 1645
- Atomic-transition lasers based on two-photon dissociation of metal-triiodide vapors (E), OL 4: 378
- Attenuation of giant laser pulsed by absorbing filters (E), AO 14: 2203
- Attenuation of  $33\text{-}\mu\text{m}$  laser radiation by atmospheric water vapor (E) (L), AO 15: 2027
- Automated analysis of laser calorimetric data (E), AO 18: 3161
- Automated laser calorimetry (A), JOSA 67: 1443
- Automatic bias control (ABC) for injection lasers (A), JOSA 67: 708
- Automatic determination of the polarization state of nanosecond laser pulses (P), AO 18: 3714
- Automatic laser boresighting (P), AO 18: 3818
- Axicon lenses to produce very long plasmas for lasers (A), JOSA 68: 1389
- Beam shaping (P), AO 16: 1814
- Beam wander in a turbulent medium: an application of Ehrenfest's theorem (T), JOSA 65: 942
- Bismuth halide vapor laser (P), AO 17: 1475
- Bremsstrahlungslaser (T) (L), JOSA 66: 966
- Brillouin-scattering measurements of the acoustic absorption coefficient in liquid  $\text{CS}_2$  (E), JOSA 65: 6
- Broadband, passive isolator for high-power  $10\ \mu\text{m}$  wavelength laser systems (A), JOSA 66: 383



- Broad band tuning of solid state alexandrite lasers (A), JOSA 69: 373
- Broadly tunable cw lasers using  $F_2^+$  centers for the 1.26–1.48 and 0.82–1.07  $\mu\text{m}$  bands (E), OL 3: 48
- Broadly tunable lasers for the 0.8–2  $\mu\text{m}$  region using ionized color centers (A), JOSA 68: 636
- Broadly tunable picosecond infrared source (E), OL 4: 325
- Buried-heterostructure DFB lasers (A), JOSA 66: 288
- Calculated enhancement for intracavity spectroscopy with a single-mode laser (A), JOSA 69: 1430
- Calculations of the detection probability of tracker-steered laser pulses in the presence of atmospheric scintillation (A), JOSA 68: 540
- Calorimeters for pulsed lasers: calibration (ET), AO 15: 1815
- Carbon dioxide laser drilling system for computer circuitry (A), JOSA 66: 380
- Catoptric lens arrangement (P), AO 14: 1459
- Cavity dumping using the antiresonant ring (A), JOSA 66: 1133
- Cavity system with reduced laser energy density at the partially reflecting mirror (P), AO 16: 539
- Center for Laser Studies established, Univ. Southern California (N), AO 13: 3A14
- Cesium quenched copper laser (P), AO 15: 583
- Channel simulation for optical communication systems (ET) (L), AO 13: 1283
- Characteristics of a fiber-optic Raman laser (E), AO 16: 1239
- Characteristics of laser surface melted aluminum alloys (E), AO 17: 906
- Chemical and Biochemical Applications of Lasers, Volume 1. Edited by C. B. Moore (B), Reviewed by Kaldor, Andrew, AO 14: 2311
- Chemical and Biochemical Applications of Lasers, Volume 2. Edited by C. B. Moore (B), Reviewed by Steinfeld, Jeffrey I., AO 16: 3063
- Chemical and Biochemical Applications of Lasers, Volume 3. Edited by C. B. Moore (B), Reviewed by Waynant, Ronald W., AO 17: 1158
- Chemical and Biochemical Applications of Lasers, Volume 1. Edited by C. Bradley Moore (B), Reviewed by Waynant, Ronald W., JOSA 65: 972
- Chirped-pulse compression in strongly dispersive media (T), JOSA 67: 1575
- Circular polarization in certain laser and holography applications (E) (L), AO 14: 1471
- Circular polarization in certain laser and holography applications: comments (E) (L), AO 14: 2567
- Circular polarization in certain laser and holography applications: reply to comments (E) (L), AO 14: 2568
- Classical evolution of a free-electron laser oscillator (A), JOSA 68: 1620
- Classical theory of a free-electron laser (A), JOSA 66: 1109
- Classical treatment of laser dissociation of polyatomic molecules (A), JOSA 68: 638
- CLEA 1973 (M), Reported by Herriott, Donald R., AO 13: 243
- CLEA 1975 (R), AO 15: 1383
- CLEA 1977 (R), AO 17: 855
- Clear-path four-frequency resonators for ring laser gyros (A), JOSA 68: 1381
- Coaxial alignment of laser beams for perturbation experiments (E), AO 13: 1639
- Coherence extender for Q-switched lasers for use in holography (P), AO 13: 1727
- Coherent pulse reshaping in an amplifying medium (A), JOSA 65: 1207
- Coherent radiation in the XUV (A), JOSA 67: 1368
- Collinear acoustooptical tunable filter and acoustooptically with tunable laser (P), AO 16: 1815
- Collisional contributions to the dynamic Stark effect in coherently driven three-level systems (T), JOSA 68: 1293
- Color-center laser spectrometer for detection of free radicals (A), JOSA 69: 1463
- Color center lasers with distributed feedback (A), JOSA 66: 292
- Common aperture laser transmitter/receiver (P), AO 17: 2280
- Comparison reader for holographic identification cards (P), AO 18: A224
- Compensating for thermal blooming of repetitively pulsed lasers (T), JOSA 65: 1257
- Composite four-element lens system, particularly for use with laser beams (P), AO 18: 2091
- Compound interlaced grating in high-energy laser systems (A), JOSA 67: 1420
- Compression of frequency chirped optical pulses by a strongly dispersive grating pair (T), AO 18: 737
- Computer program for far-field performance evaluation of a laser-beam expander (A), JOSA 64: 564
- Continuous-wave fiber-optic Raman laser (A), JOSA 66: 1114
- Continuous-wave tunable near-infrared (1.085–1.175- $\mu\text{m}$ ) Raman oscillator (E), OL 1: 96
- Contrast sensitivity and viewing distance (E) (L), JOSA 65: 97
- Controlling population inversion and electronically scanning solid state laser output deflections (P), AO 16: 2790
- Cooler for excimer laser (N), AO 18: 227
- Copper-inert gas (P), AO 15: 1670
- Corneal thickness measured by interferometry (TE), JOSA 65: 119
- Correction for errors in optical pulsed range measurements (ET), AO 14: 752
- Cure for the dead or dying He–Ne laser (E) (L), AO 17: 847
- Dead-time-corrected photocounting distributions for laser radiation (T), JOSA 65: 786
- Density fluctuations generated in simple liquids by intense laser radiation (A), JOSA 69: 1471
- Density perturbations in transonic sluicing laser beams (T), AO 14: 2238
- Depletion optimization and photon efficiency in laser isotope separation of deuterium (T), AO 17: 785
- Depolarization of light back scattered from rough dielectrics (ET), JOSA 65: 1036
- Design of a large lightweight uncooled laser mirror for high-energy laser applications (A), JOSA 66: 1105
- Design of disk laser amplifiers for laser fusion applications (A), JOSA 66: 388
- Design techniques and measured performance for a uniformly pumped 4 cm diameter rod amplifier (A), JOSA 66: 388
- Detection of hairline cracks in textured silicon solar cells (E) (L), AO 18: 605
- Determination of laser parameters from saturated-gain measurements for a partially homogeneously broadened laser amplifier (A), JOSA 64: 562
- Determination of laser parameters from saturated-gain measurements for a partially homogeneously broadened gas-laser amplifier (T), JOSA 65: 29
- Determination of the speed of light by absolute wavelength measurement of the  $R(14)$  line of the  $\text{CO}_2$  9.4- $\mu\text{m}$  band and the known frequency of this line (E), OL 1: 5
- Determination of the speed of light by absolute wavelength measurement of the  $R(14)$  line of the  $\text{CO}_2$  9.4- $\mu\text{m}$  band and the known frequency of this line (errata), OL 1: 140
- Development of the free-electron laser (A), JOSA 67: 1369
- Developments in Laser Technology-II (B) (N), AO 14: 1028
- Developments in optically pumped cw dimer lasers (A), JOSA 68: 715
- Device comprising a compound oscillator and amplifier for generating the fundamental mode (P), AO 15: 9
- Device for optical pumping solid state lasers via waveguide (P), AO 17: 1986
- Diamond as a high-power-laser window (E), JOSA 64: 36
- Diffacted waves in the shadow boundary region (T), JOSA 67: 551
- Diffraction grating tuners for cw lasers (TE) (L), AO 18: 2348
- Diffraction ray tracing of laser beams (T), JOSA 66: 1368
- Digital wavemeter for cw lasers (E) (L), JOSA 66: 965
- Diode laser (P), AO 13: 2735
- Diode-pumped miniature solid-state laser: design considerations (T), AO 16: 2747
- Direct calibration of laser wavelength and bandwidth using the optogalvanic effect in bulk cathode lamps (E) (L), AO 16: 2617
- Direct discharge pumping of  $\text{HgCl}_2$  and  $\text{HgBr}_2$  dissociation lasers (A), JOSA 68: 653
- Direct observation of population inversion between  $\text{Al}^{+11}$  levels in a laser-produced plasma (A), JOSA 68: 551
- Discharge currents of flashlamp drive circuits (L), AO 18: 3734
- Divergence of high order Gaussian modes (TE) (L), AO 14: 2346
- Doppler and collision-broadening effects in the profile of spectral lines (T), JOSA 65: 949
- Double-confined multiple anode hollow cathode laser (P), AO 18: A170
- Double heterostructure lead-salt lasers for high-resolution gas spectroscopy (A), JOSA 66: 384
- Double-wavelength laser (A), JOSA 65: 1207
- Dual-wavelength independently tunable picosecond laser source (A), JOSA 69: 1463
- Dye lasers—a classified bibliography 1966–1972 (TE), AO 13: 25
- Echo effects in the free-electron laser (A), JOSA 68: 628
- Echoes, pulses, lethargy, and coherent transients in the free-electron laser (A), JOSA 68: 1387
- Edge-on diffraction of a Gaussian laser beam by a semi-infinite plane (TE), AO 14: 1156
- Edge-on diffraction of a Gaussian laser beam by a semi-infinite plane: comments (E) (L), AO 15: 857
- Effect of cavity length on the intensity fluctuations of a laser (A), JOSA 69: 1430
- Effects of atmospheric turbulence on the laser cross-beam velocimeter (T), JOSA 64: 1005
- Effects of buffer gases on an optically pumped  $\text{CH}_3\text{F}$  FIR laser (ET), JOSA 66: 362
- Effects of gain saturation on the beam quality of a high-power atomic iodine laser (A), JOSA 68: 549
- Effects of interference on gain saturation in laser resonators (T) (L), JOSA 69: 1717
- Effects of medium and gain inhomogeneities in unstable optical resonators (T), AO 16: 1058
- Effects of molecular rotation and vibration–rotation interaction on collisionless multiple-photon excitation of  $\text{SF}_6$  (T), OL 2: 151
- Effects of relaxation on coherent continuous pulse train propagation (A), JOSA 68: 1388
- Efficient cw optically pumped  $\text{Ni:MgF}_2$  laser (A), JOSA 68: 630
- Efficient cw optically pumped  $\text{Ni:MgF}_2$  laser (E), OL 3: 164
- Efficient flow system (P), AO 13: 1251
- Efficient, high-power  $\text{CH}_3\text{F}$  496  $\mu\text{m}$  laser systems (A), JOSA 66: 386
- Efficient Raman conversion of  $\text{XeCl}$ -laser radiation in metal vapors (E), OL 3: 215
- Efficient white laser illuminators for plastic optical fibers (E), AO 16: 1041
- Eigenmodes of optical resonators with mirrors having Gaussian reflectivity profiles (T), AO 15: 2145
- Electromagnetic field near focus as seen by a moving particle (T), JOSA 64: 934
- Electron beam pumped (P), AO 13: 2960
- Electron-beam sustained-discharge  $\text{HgCl}$  laser (A), JOSA 68: 549
- Electron energy spectrum in laser-induced multiphoton ionization of atoms (E), AO 15: 2378
- Electronically scanned waveguide laser arrays (T) (L), AO 13: 1755
- Electronic Transition Lasers. Edited by Jeffrey I. Steinfeld (B), Reviewed by Freund, Samuel M., AO 16: 1116
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- Electro-optical device for conversion of tangential and radial polarization components to rectangular coordinate components (P), AO 13: 11A26
- Electrooptic diffraction grating tuned laser (P), AO 15: 834



- Energy levels and laser action in Nd:CaY<sub>2</sub>Mg<sub>2</sub>Ge<sub>3</sub>O<sub>12</sub> (CAMGAR) (A), JOSA 68: 1388
- Engineering Applications of Lasers and Holography. By Winston E. Kock (B), Reviewed by Latta, John N.; Leith, Emmett N., JOSA 69: 203
- Envelope gain saturation in distributed-feedback lasers (T), AO 14: 950
- Erbium laser as a remote sensor of methane (TE) (L), AO 14: 2812
- Erbium laser ceilometer (P), AO 16: 2341
- Erbium laser device having non-masking laser rod holders (P), AO 16: 2789
- Estimating the spatial concentration of certain types of air pollutants (T), JOSA 67: 668
- Etalon laser mode selection (P), AO 18: 1287
- Evaluating the inequivalence and a computational simplification for the NBS laser energy standards (TE), AO 16: 2315
- Exact analytical solution for Gaussian-beam propagation (A), JOSA 65: 1208
- Excimer Lasers. Edited by C. K. Rhodes (B), Reviewed by Hutchinson, Henry, AO 18: 4151
- Excited-state absorption of Eu<sup>2+</sup>:CaF<sub>2</sub> single crystals (A), JOSA 69: 1463
- Exploding PbS film Q-switch laser (E), AO 17: 635
- Exploring Laser Light. By T. Kallard (B), Reviewed by Waynant, Ronald W., AO 16: 1118
- Exploring Laser Light, Laboratory exercises and lecture demonstrations performed with low-power helium-neon lasers. By T. Kallard (B), Reviewed by Dutton, David, JOSA 67: 1129
- Explosive laser (P), AO 15: 835
- Fabrication of a ring laser gyroscope (A), JOSA 68: 1380
- Face pumped disk (P), AO 16: 1815
- Faraday rotator using ED4 glass (E) (L), AO 13: 1555
- Far-field energy, in the geometric mode limit, of loaded unstable resonators with centered or corner obscurations (T) (L), AO 16: 1790
- Far-field illumination of targets by annular apertures (T), JOSA 65: 1300
- Far-infrared difference frequency generation (A), JOSA 66: 390
- Far infrared transmission measurements with an optically pumped FIR laser (E) (L), AO 15: 2617
- Fiber laser plate (E), AO 18: 2052
- Fiber optic with distributed feedback (P), AO 16: 1814
- Fiber ring interferometer (E) (L), AO 15: 1099
- Field-emission-diode optical mixer (A), JOSA 67: 1398
- Field properties of multiple coherently combined lasers (A), JOSA 68: 1386
- Field properties of multiple coherently combined lasers (T), AO 18: 270
- Flashlamp discharge and laser efficiency (TE), AO 13: 2300
- Flashlamp drive circuit optimization for lasers (E), AO 16: 1578
- Flatbed laser scanner/recorder (24 × 36) for lithographic platemaking (A), JOSA 66: 379
- Focused-laser-beam scintillations in the turbulent atmosphere (T) (L), JOSA 64: 516
- Focusing methods (P), AO 17: 1986
- Focusing of laser beams by a sequence of irises (A), JOSA 67: 1438
- Focusing of laser beams by a sequence of irises (TE), AO 18: 875
- Focusing properties of an aberrated laser beam (T), AO 15: 1458
- Folded cavity injection laser (P), AO 16: 2790
- Formation of a spherical lens at optical fiber ends with a CO<sub>2</sub> laser (ET), AO 14: 294
- Forming electrically charged laser targets (P), AO 18: 3488
- Free wall chart of tunable laser reference data (N), AO 17: 1068
- Frequency and intensity stabilization of the radiation emitted by a high-power gas laser (P), AO 15: 583
- Frequency coverage for submillimeter laser spectroscopy with optically pumped (CH<sub>3</sub>OH, CH<sub>3</sub>OD, CD<sub>3</sub>OD, and CH<sub>2</sub>CF<sub>2</sub>) (E), OL 1: 202
- Frequency measurement above 100 THz with point-contact diodes (A), JOSA 67: 1398
- Frequency stability of optically pumped dimer lasers (A), JOSA 68: 635
- Frequency stabilization and tunability of lasers; use of mobile dips and peaks (ET), AO 15: 2673
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- Further computer simulation study of image speckle patterns with relation to object surface profile (T), JOSA 67: 808
- GaInAsP/InP lasers with chemically etched facet mirrors (A), JOSA 69: 1482
- Gain measurement technique for high gain amplifiers (TE), AO 18: 3053
- Gain saturation in distributed-feedback lasers (A), JOSA 64: 1365
- Gain saturation in distributed feedback lasers (T), AO 14: 2650
- Gain-verification problem in extreme ultraviolet lasing (E), OL 2: 100
- Gas dynamic (P), AO 16: 1814
- Gas dynamic laser device (P), AO 15: 834
- Gas dynamic shock tube (P), AO 15: 2296
- Gas transport laser with increased power (P), AO 17: 2666
- Gaussian modes in high loss laser resonators (T), AO 14: 1193
- Ga<sub>1-x</sub>In<sub>x</sub>As mesa lasers with grown optical facets (A), JOSA 64: 1368
- 1-Gbps laser communications using a QPSK subcarrier (A), JOSA 64: 520
- Generateur de vapeur d'uranium: la lampe a cathode creuse pulsee (E), AO 18: 2107
- Generation of coherent optical pulses (E) (L), AO 16: 263
- Generation of tunable coherent radiation below 250 nm at MW power levels (E) (L), AO 17: 1313
- Generator having a reduced emission spectrum (P), AO 15: 11
- Gold contact inspection using a scanning laser beam (A), JOSA 64: 1393
- Graphical aid to the transformation of a laser beam by a thin lens (T) (L), AO 14: 2347
- Grating coupled radiation in lasers and waveguides (A), JOSA 66: 1115
- Gratings-coupled GaAs-GaAlAs ring lasers (A), JOSA 66: 291
- Growth potential of Nd:YAG space laser communications (A), JOSA 64: 521
- Guide for Material Processing by Lasers. By Laser Institute of America Committee (B), Reviewed by Howard, John N., AO 17: 846
- Gyroscope with fiber waveguides (P), AO 17: 681
- HeNe interlaboratory measurements standardization (N), AO 13: 2588
- Heterostructure Lasers. By H. C. Casey, Jr. and M. B. Panish (B), Reviewed by Streifer, William, JOSA 69: 799
- High accuracy laser power measurements: a scale comparison (E), AO 18: 1937
- High aperture lens for laser compression experiments: a new type (TE), AO 17: 3368
- High energy optical laser (P), AO 13: 2735
- High-intensity CO<sub>2</sub> laser pumping of a CH<sub>3</sub>F Raman FIR laser (E), OL 4: 381
- Highly collimated laser beams from distributed-feedback lasers (A), JOSA 65: 225
- High power beam, phase profile measurement (P), AO 15: 10
- High power designed for commercial environment (P), AO 15: 1669
- High power D<sub>2</sub>O submillimeter laser using tunable narrow linewidth optical pumping (A), JOSA 68: 1394
- High-power electric-laser technology (A), JOSA 64: 542
- High-power-laser adaptive phased arrays (ET), AO 18: 4106
- High power laser propagation (R), AO 15: 1479
- High-power laser refractory metal mirrors made of thoriated tungsten (E) (L), AO 15: 16
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- High power laser system (P), AO 13: 1727
- High power tunable laser (P), AO 17: 1473
- High-precision laser gravimeter (E), AO 13: 310
- High-resolution diode-laser spectroscopy of the 949.2 cm<sup>-1</sup> band of ethylene, JOSA 65: 579
- High-resolution study of the helium-fluorine laser (E), JOSA 68: 262
- High-voltage hollow cathode laser (A), JOSA 68: 717
- Holographic interferometry of a large-bore cw high-energy gas-laser medium during laser-power extraction (E), AO 18: 3835
- Holographic ruby laser with long coherence and precise timing (E), AO 13: 2486
- Hot electron effect in n-InSb Raman spin-flip laser (A), JOSA 68: 1435
- Hybrid laser-to-fiber coupler with a cylindrical lens (E), AO 16: 1966
- Hybrid metal mesh-dielectric mirrors for optically pumped far infrared lasers (E), AO 15: 761
- Impact of lasers in spectroscopy seminar SPIE, San Diego, 19-23 Aug 1974 (M), Reported by Steinfeld, Jeffrey L., AO 14: 6
- Improved beam quality in double discharge excimer lasers (E) (L), AO 16: 1792
- Improved laser optical resonator (P), AO 13: 2735
- Improved performance of fusion lasers using the imaging properties of multiple spatial filters (TE) (L), AO 16: 779
- Improved wavemeter for cw lasers (E) (L), JOSA 68: 1611
- Increased inversion efficiency in optically pumped two-level molecular systems (TE), OL 4: 375
- Increasing production yields with a laser scanner lumber inspection system (A), JOSA 66: 379
- Increasing the light produced by a laser beam (P), AO 18: 3501
- Index of U.S. patents, laser manufacture and technology (N), AO 13: 912
- Industrial Applications of Lasers. By John F. Ready (B), Reviewed by Mantz, Arlan W., AO 18: 416
- Industrial Applications of Lasers. By John F. Ready (B), Reviewed by Caulfield, Henry John, JOSA 69: 207
- Information scanning technology: applications of cw AlGaAs injection lasers (E), AO 15: 1425
- Infrared atmospheric transmission of laser radiation (T), AO 13: 56
- Infrared laser coatings bulletin (N), AO 18: 890
- Injection laser writing on chalcogenide films (E), AO 13: 795
- Injection-locked, narrow-band KrF discharge laser using an unstable resonator cavity (E), OL 1: 199
- Injection-locked unstable resonator KrF discharge laser with linewidth of 3 GHz (A), JOSA 68: 705
- Interference, propagation, and coherence of a laser mode having a helical cophasal form (A), JOSA 69: 1431
- Interferometric measurement of cryogenic laser fusion target uniformity (L), AO 17: 852
- Interferometric measurements of linewidth and frequency stability of a single longitudinal-mode Al<sub>x</sub>Ga<sub>1-x</sub>As laser (A), JOSA 69: 1482
- Internal laser mirror alignment fixture (P), AO 18: 3937
- Internal photodissociative excitation of HgBr by VUV emission of mercury (A), JOSA 68: 718
- Internal reflection from an exponential amplifying region (TE), JOSA 67: 1620
- Internal thermal noise in optical frequency converters (TE), JOSA 64: 295
- Interpulse interference and passive laser pulse shapers (ET), AO 15: 3054
- Intracavity detection of microwave transitions through the dispersive response of a laser (A), JOSA 68: 647
- Inversion of the resonance line of Sr<sup>+</sup> produced by optically pumping Sr atoms (E), OL 2: 115
- Investigation of broad band emitters in glass as potential laser ions (A), JOSA 67: 1425
- Investigation of structure and dynamics of aerosol inhomogeneities in the ground layer of the atmosphere (E), AO 16: 2231
- Investigations of GaAs/GaAlAs waveguide lasers with second-order distributed feedback (A), JOSA 66: 288
- Investigations of laser-induced thermal lensing and interference from infrared transmitting materials (E) (L), AO 13: 729
- Iodine spectrometer for low-shifted light scattering (ET), JOSA 65: 22
- Ion, hollow-cathode (P), AO 15: 2297
- Ionized oxygen (P), AO 15: 2297
- Ion with etalon mode control (P), AO 17: 681
- Irradiance tailoring as a method of reducing thermal blooming in an absorbing medium (TE), JOSA 64: 1123
- Is complete spatial coherence necessary for the generation of highly directional light beams? (T), OL 2: 27
- Isoline approach to portraying atmospheric turbulence induced laser beam spread (T), AO 16: 1606



- Isoline method of portraying atmospheric attenuation of laser radiation (T) (L), AO 14: 1263
- Isotope separation (A), JOSA 64: 1356
- Kinetic model of laser-stimulated desorption and surface processes (A), JOSA 69: 1472
- Knife-edge scanning measurements of subwavelength focused light beams (ET), AO 16: 1971
- Lambda meter to facilitate exploitation of narrow line lasers (N), AO 16: 1848
- Lamb, Willis E., Jr., a Festschrift on the Occasion of his 65th Birthday. Edited by D. Ter Haar and M. O. Scully (B), Reviewed by Rothstein, Jerome, AO 18: 1889
- Large effective Fresnel number confocal unstable resonators: an experimental study (E), AO 13: 368
- Large-mode-volume stable resonators (T), JOSA 65: 642
- Large-scale laser display systems for commercial applications using path-controlled galvanometers (A), JOSA 66: 381
- Laser absorption methods for simultaneous determination of temperature and species concentrations through a cross section of a radiating flow (T), AO 15: 768
- Laser addressed display (P), AO 18: 3892
- Laser annealing of semiconductors (A), JOSA 69: 1461
- Laser Applications in Medicine and Biology, Vol. 2. Edited by M. L. Wolbarsht (B), Reviewed by Riva, Charles E., AO 14: 2350
- Laser applications in medicine and biology: a bibliography, AO 16: 27
- Laser applications in microelectronics (A), JOSA 66: 380
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- Laser atmospheric studies conference, Sendai, 3-6 Sep 1974 (M), Reported by McCormick, M. Patrick, AO 14: 797
- Laser backscattering from dense water-droplet clouds (E), JOSA 69: 60
- Laser beam attitude control device (P), AO 13: 977
- Laser beam broadening and depolarization in dense fogs (E), JOSA 68: 900
- Laser beam characteristics using dc-induced second harmonic generation (TE), AO 15: 2381
- Laser-beam-expander lens that avoids specular-reflection feedback (A), JOSA 64: 565
- Laser beam profile measurements using spatial sampling, Fourier optics, and holography book (N), AO 18: 2036
- Laser Beam Propagation in the Atmosphere. Edited by J. W. Strohbehn (B), Reviewed by Lutomirski, Richard F., AO 18: 1472
- Laser beam sampling with grating rhombs (A), JOSA 68: 1405
- Laser beam scanners constructed from volume holograms (A), JOSA 69: 1481
- Laser beam steerer-expander (T), AO 17: 3584
- Laser capable of producing a frequency standard (P), AO 18: A115
- Laser command guidance system (P), AO 18: 3818
- Laser cutting—current applications, future potentials (A), JOSA 66: 380
- Laser Devices and Applications. Edited by I. P. Kaminow and A. E. Siegman (B), Reviewed by Ezekiel, Shaoul, AO 14: 2349
- Laser Devices and Applications. Edited by Ivan P. Kaminow and Anthony E. Siegman (B), Reviewed by Waynant, Ronald W., JOSA 64: 1278
- Laser-Doppler anemometry, short course, Karlsruhe, Germany, 3-11 Mar 1975 (N), AO 13: 2912
- Laser drawing of optical fibers (E), AO 13: 1383
- Laser drilling with 80-ps pulse lengths (A), JOSA 69: 1468
- Laser engines operating by resonance absorption (T), AO 15: 1141
- Laser-excited broadband violet emission from sodium vapor (A), JOSA 68: 714
- Laser excited by nuclear reaction products (N), AO 13: 2885
- Laser feedback: its effect on laser frequency (T) (L), AO 15: 1119
- Laser feedback; its effect on laser frequency: addendum (T) (L), AO 15: 2305
- Laser frequency stabilization: combined integrating thermal-proportional servos (E) (L), AO 15: 1375
- Laser generator (P), AO 18: A113
- Laser generator for single transverse mode operation (P), AO 14: A78
- Laser gyroscope (P), AO 18: A224
- Laser illuminated divergent ball bearing sources (E) (L), AO 13: 457
- Laser-induced chemical reactions (R), AO 13: 301
- Laser-induced collisions (A), JOSA 66: 1116
- Laser induced damage in optical materials: ninth ASTM symposium (R), AO 17: 2386
- Laser-Induced Discharge Phenomena. By Yu P. Raizer (B), Reviewed by Waynant, Ronald W., AO 17: 2864
- Laser-induced electric breakdown (A), JOSA 64: 535
- Laser-induced fusion (A), JOSA 65: 1204
- Laser-induced impedance changes in a neon hollow cathode discharge (A), JOSA 68: 1389
- Laser-induced phase transition in the surface of SmS crystals (E), AO 13: 95
- Laser, infrared wavelength-tunable (P), AO 13: 214
- Laser initiated spark development in an air gap (E), AO 14: 2225
- Laser intensity regulator (A), JOSA 66: 1124
- Laser interaction and compression experiments at Limeil (A), JOSA 68: 658
- Laser Interaction and Related Plasma Phenomena. Edited by Helmut J. Schwarz and Heinrich Hora (B), Reviewed by Waynant, Ronald W., JOSA 66: 509
- Laser Interaction and Related Plasma Phenomena, Volumes 3A and 3B. Helmut J. Schwarz and Heinrich Hora, Editors, JOSA 66: 870
- Laser interaction based on resonance saturation (LIBORS): an alternative to inverse bremsstrahlung for coupling laser energy into a plasma (T), AO 18: 1824
- Laser isotope separation (A), JOSA 65: 1173
- Laser isotope separation of rare earth elements (E), AO 17: 856
- Laser isotope separation: revolution in chemistry (A), JOSA 66: 390
- Laser isotope separation using two-photon selective excitation; its quantum efficiency and separation factor (T), AO 13: 2505
- Laser lightning rod system: thunderstorm domestication (TE), AO 13: 2292
- Laser Light Scattering. By Benjamin Chu (B), Reviewed by Cummins, Herman Z., AO 14: 2801
- Laser Light Scattering. By Benjamin Chu (B), Reviewed by Mandel, Leonard, JOSA 65: 859
- Laser machining of micron-dimension rectangular holes on thin-film photomasks (A), JOSA 66: 380
- Laser machining with modulated zone plates (ET), AO 13: 269
- Laser-mode beating used for detector frequency-response measurements (E), AO 16: 2703
- Laser mode locking with a glass filter (ET) (L), AO 13: 1555
- Laser monochromator of a relativistic proton beam with resolution and accuracy up to  $2 \times 10^5$  (A), JOSA 68: 1632
- Laser NO<sub>2</sub> fluorescence measurements in flames (E), AO 17: 1099
- Laser optical system of the IBM 3800 printer (A), JOSA 66: 381
- Laser '75: Opto-Electronics Conference Proceedings. Edited by W. Waidelich (B), Reviewed by Kock, Winston E., AO 16: 536
- Laser '77: Opto-Electronics Conference Proceedings. Edited by W. Waidelich (B), Reviewed by Baker, L. R., AO 17: 2864
- Laser '77, Opto-Electronics. Edited by W. Waidelich (B), Reviewed by Caulfield, Henry John, JOSA 68: 873
- Laser pattern generation using x-y beam deflection (ET), AO 13: 1179
- Laser Physics. By Murray Sargent, III, Marlan O. Scully, and Willis E. Lamb, Jr. (B), Reviewed by Sinclair, Douglas C., JOSA 65: 972
- Laser Plasmas and Nuclear Energy. By Heinrich Hora (B), Reviewed by Coffey, Timothy, AO 15: 1107
- Laser probe for measuring 2-D wave slope spectra of ocean capillary waves (ET), AO 16: 1074
- Laser Processing of Materials. By N. N. Rykalin, A. A. Uglov, and A. N. Kokora (B), Reviewed by Uscinski, B. J., AO 18: 415
- Laser propagation experiments using a controlled turbulent gaseous mixture (A), JOSA 67: 1375
- Laser propagation through a time-varying random medium (A), JOSA 69: 1412
- Laser-pulse requirements for coherent and mode-selective excitation in the quasicontinuum of polyatomic molecules (T), OL 1: 87
- Laser radar studies of the atmosphere, 5th conference, Williamsburg, 4-6 Jun 1973 (M), Reported by Harris, Franklin S., Jr., AO 13: 1539
- Laser recording and information handling, SPIE 18th Annual Technical Meeting, San Diego, 19-23 Aug 1974 (M), Reported by Schreiber, William F., AO 13: 2456
- Laser recording with truncated Gaussian beams (A), JOSA 68: 1436
- Laser Remote Sensing for Air Pollution Measurements; First German Lidar Conference, Essen, 9-11 Oct 1974 (M), Reported by Werner, Ch., AO 14: 796
- Laser resonators folded by diffraction gratings (T), AO 17: 87
- Laser resonators with polarizing elements—eigenstates and eigenvalues of polarization (ET), AO 13: 2793
- Laser resonators with polarizing elements—eigenstates and eigenvalues of polarization: addendum (L), AO 14: 1758
- Laser safety course, Univ. of Cincinnati, 18-22 Mar 1974 (N), AO 13: 149
- Lasers and Coherence Spectroscopy. Edited by Jeffrey I. Steinfeld (B), Reviewed by Leopold, Lutz, AO 18: A160
- Lasers and electro-optics technical group on UV lasers and their applications (A), JOSA 66: 1139
- Lasers and Excited States of Rare Earths. By R. Reisfeld and C. K. Joergensen (B), Reviewed by Yen, W. M., JOSA 69: 920
- Lasers and Masers, Series 1. Edited by F. Doven (B), Reviewed by Silverman, Shirleigh, AO 14: 2570
- Lasers and Masers—Series I (A Compilation of Abstracts) (B), Reviewed by Waynant, Ronald W., JOSA 65: 360
- Lasers and Their Applications. By M. J. Beesley (B), Reviewed by Silverman, Shirleigh, AO 16: 1776
- Lasers and Their Applications. By Michael John Beesley (B), Reviewed by Snow, Kenneth A., JOSA 67: 989
- Lasers and Their Applications. Edited by Alberto Sona (B), Reviewed by Caulfield, Henry John, JOSA 68: 551
- Lasers: A Series of Advances; Vol. 4. Edited by Albert K. Levine and Anthony J. Demaria (B), Reviewed by Bridges, William B., AO 15: 2292
- Lasers, A Series of Advances, Volume 4. Edited by Albert K. Levine and Anthony J. DeMaria (B), Reviewed by Jarrett, Steven M., JOSA 67: 988
- Laser-scanner systems for universal product code (A), JOSA 69: 1482
- Laser scanning system utilizing computer generated holograms (P), AO 18: 2542
- Lasers for fiber optics (A), JOSA 66: 391
- Lasers for hydrographic studies, NASA conference on, Wallops Island, 12 Sep 1973 (M), Reported by Measures, Raymond M., AO 13: 8
- Lasers, free enterprise, and government regulation (N), JOSA 66: 1144
- Lasers: from science fiction to industry (L), AO 16: 10
- Laser-sight and computer for anti-aircraft gun fire control system (P), AO 15: 2038
- Lasers in chemistry conference, Royal Institution, 31 May-2 Jun 1977 (M), Reported by West, Michael A., AO 16: 2346
- Lasers in Chemistry: Proceedings of the London Conference 31 May-2 June 1977. Edited by Michael A. West (B), Reviewed by Leone, Stephen R., AO 17: 497
- Lasers in ophthalmology: the path from theory to application (TR), AO 18: 1518



- Lasers, light, and matter (A), JOSA 66: 1099
- Lasers, light, and matter (ET), JOSA 67: 140
- Lasers optically pumped by laser-produced plasma (P), AO 15: 834
- Laser Spectroscopy of Atoms and Molecules. Edited by H. Walther (B). Reviewed by Howard, John N., AO 16: A37
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- Lasers save Venice art (N), AO 15: 1074
- Laser start-up system for magnetic mirror fusion (E), AO 16: 1243
- Lasers with unstable resonators in the geometrical optics limit (T), JOSA 67: 221
- Laser system employing Raman anti-Stokes scattering (P), AO 14: A77
- Laser system incorporating a field effect emitter (P), AO 13: 2735
- Laser Systems in Flow Measurement. By Tariq S. Durrani and Clive A. Greated (B). Reviewed by Scherer, Wolfgang, AO 17: 1848
- Laser Systems in Flow Measurement. By Tariq S. Durrani and Clive A. Greated (B). Reviewed by Wang, Charles F., JOSA 67: 1604
- Laser Technology—a Survey. By Paul Zilcer (B). Reviewed by Silverman, Shirleigh, AO 15: 288
- Laser telemeter (P), AO 18: 3804
- Laser transmitter (P), AO 15: 2037
- Laser two-photon ionization spectroscopy: a new method for real-time monitoring of atmospheric pollutants (E), OL 4: 337
- Laser velocimeter employing reference beam detection (P), AO 13: 455
- Laser wavefront generator (P), AO 15: 2037
- Laser wavelength comparison by high resolution interferometry (E), AO 15: 734
- Laser Window and Mirror Materials. By G. C. Battle, Tom Connolly, and Anne M. Keesee (B). Reviewed by Bennett, H. E., AO 17: 2126
- Laser with design for adjustable internal resonator (P), AO 17: 2665
- Lens design for laser systems (T), JOSA 64: 314
- Lessless measurement of Gaussian laser beam divergence (A), JOSA 68: 1436
- Lifetime and collisional quenching measurements of  $\text{XeF}^*(B)$  by photolysis of  $\text{XeF}_2$  (E), OL 2: 13
- Light fluctuations in a homogeneously broadened ring laser (A), JOSA 69: 1474
- Light-plasma interaction studies with high-power glass laser (E), JOSA 67: 717
- Linear and nonlinear propagation characteristics of spatially shaped laser beams (A), JOSA 64: 562
- Line-width and tuning effects in resonant excitation (T), JOSA 65: 33
- Liquid surface coating for optical components used in high power laser applications (E), AO 16: 2491
- Longitudinal-mode tuning of forward and reverse traveling waves in unstable ring resonators with a fast flowing gain medium (A), JOSA 69: 1475
- Low-power, low-cost blue lasers: A glimpse at the future of He-Cd laser technology (A), JOSA 66: 386
- Low-power tuner for lasers (N), AO 18: 2699
- Magneto-optical properties of bound-state transitions, and applications (TE), JOSA 65: 1261
- Magneto-optical switch for synchronization of  $\text{CO}_2$  and red laser beams (A), JOSA 68: 1389
- Master and slave oscillator array system for very large multiline lasers (T), AO 17: 83
- Mastering and replication of optical videodisks (A), JOSA 66: 379
- Measurement of the gain and refraction effects in a solid state laser (TE), AO 18: 175
- Measurement of the Gaussian laser beam divergence (E) (L), AO 16: 1481
- Measurement of the  $\mu\text{m}$  sized radius of Gaussian laser beam using the scanning knife-edge (E) (L), AO 14: 2809
- Measurements of laser emissions, conference, Rockville, 4-7 Jun 1974 (N), JOSA 64: 260
- Measurements of the photon statistics of a two-mode ring laser (A), JOSA 67: 1366
- Measurement techniques for small absorption coefficients: recent advances (R), AO 16: 2827
- Measuring the velocity of single atoms in real time (A), JOSA 68: 657
- Mechanism of  $\text{C}_2$  formation via the IR photolysis of polyatomic molecules (A), JOSA 68: 639
- Mercuric bromide dissociation laser in an electric discharge (E), OL 2: 64
- Mesa lasers with room temperature operation grown by selective liquid-phase epitaxy (A), JOSA 66: 293
- Metal halide high flow vapor laser (P), AO 17: 1469
- Metal halide vapor laser (P), AO 17: 1468
- Metal vapor laser tube electrode design (P), AO 17: 1986
- Metal vapor laser with hollow cathode (P), AO 17: 2665
- Metal vapor segmented tube construction (P), AO 13: 1251
- Method for tuning a laser to an absorption line (A), JOSA 67: 1425
- Microfilm by laser transfer printing (A), JOSA 66: 381
- Mirror for high power lasers and method of fabrication (P), AO 15: 830
- Mirror system for uniform beam transformation in high-power annular lasers (T), AO 17: 2917
- Mode calculations in unstable resonators with flowing saturable gain. I: Hermite-Gaussian expansion (T) (cover story Dec A5, 2792), AO 13: 2775
- Mode competition in a ring laser at line center (E), OL 1: 196
- Mode correlations in a ring laser (A), JOSA 66: 1133
- Mode discrimination with rimmed optical resonator (TE), AO 14: 2418
- Mode-locked and frequency-doubled laser efficiencies (L), AO 15: 2955
- Mode-locked, cavity-dumped laser design considerations (E) (L), AO 15: 2020
- Mode properties of annular gain lasers (TE), AO 14: 2653
- Mode properties of annular gain lasers (errata), AO 15: 16
- Mode selection (P), AO 13: 214
- Mode selectivity and amplification in twin-guide lasers (A), JOSA 66: 288
- Mode self-locking in solid-state lasers with long resonators (A), JOSA 68: 1621
- Modes of a laser resonator containing tilted birefringent plates (T), JOSA 64: 447
- Modes of empty off-axis unstable resonators with rectangular mirrors (T), AO 18: 1828
- Modification of inexpensive multimode lasers to produce a stabilized single frequency beam (E) (L), AO 13: 231
- Modification of inexpensive multimode lasers to produce a stabilized single frequency beam. 2: Reply (E) (L), AO 13: 231
- Modulation transfer (P), AO 13: 214
- Moving phase transitions in laser-irradiated biological tissue (T), AO 18: 2286
- Multi-atmosphere self-sustained discharge rare gas halide lasers (A), JOSA 68: 717
- Multifrequency laser oscillator for holographic contouring (P), AO 14: A77
- Multikilowatt laser-materials processing (A), JOSA 67: 1414
- Multimode laser cavities to amplify an image (P), AO 18: 1287
- Multioscillator approach to the problem of locking in two-mode ring-laser gyros (T), OL 3: 43
- Multioscillator approach to the problem of locking in two-mode ring-laser gyros. Part II (TE) (L), AO 18: 941
- Multiphoton absorption in the presence of two finite-bandwidth lasers (T), OL 1: 211
- Multiple beam experiments for thermonuclear fusion (N), AO 13: 330
- Multiple-laser-energy detection system (P), AO 16: 2595
- Multiple scattering: theoretical calculations compared with experimental dye-laser measurements (TE), JOSA 65: 1306
- Multiple-source plasma-overlap laser (P), AO 15: 834
- Multiple wavelength (P), AO 16: 1814
- Noise suppression in (P), AO 16: 1814
- Nonlinear absorption of  $\text{SF}_6$  at high infrared intensities and high pressures (ET), AO 16: 1187
- Nonlinear Laser Spectroscopy. By V. S. Letokhov and V. P. Chebotayev (B). Reviewed by Hirschfeld, Tomas, JOSA 67: 1132
- Non-linear output coupler (P), AO 13: 2962
- Nonlinear theory of the free-electron laser (A), JOSA 69: 1430
- Nonreturn optical Faraday effect system and application to a laser amplifier (P), AO 16: 2341
- Nuclear orientation induced by intense resonant laser radiation (A), JOSA 66: 1125
- Nuclear plasma pumped laser (P), AO 17: 2666
- Numerical simulation of laser speckle (A), JOSA 65: 1196
- Numerical study of a  $\text{CO}_2$  laser beam focused on a theta-pinch plasma in the axial direction (TE), AO 16: 1975
- Observation of laser-induced explosion of solid materials and correlation with theory (ET), AO 13: 274
- Off-axis parabolas for high-power laser focusing (A), JOSA 66: 1134
- Operation and performance of a lunar laser ranging station (E), AO 13: 565
- Optical analysis of multiple-quantum-well lasers (T) (L), AO 18: 3547
- Optical and metallurgical characterization of molybdenum laser mirrors (A), JOSA 69: 1460
- Optical antenna gain. 2: Receiving antennas (T), AO 13: 2397
- Optical antenna gain. 2: Receiving antennas (T) (errata), AO 13: 2762
- Optical cavity for a laser (P), AO 15: 9
- Optical coatings for high energy  $\text{ZnSe}$  laser windows (ET), AO 13: 2075
- Optical communication with visible lasers (A), JOSA 64: 520
- Optical device with liquid coating (P), AO 17: 1470
- Optical extraction efficiency in lasers with high Fresnel number confocal unstable resonators (T), AO 18: 3562
- Optical levitation: A theoretical and experimental study (A), JOSA 67: 1438
- Optically pumped bismuth lasers at 472 and 475 nm (A), JOSA 68: 714
- Optically pumped 546 nm Hg laser (A), JOSA 66: 1108
- Optical methods in energy conversion, SPIE seminar-in-depth, Rochester, 23-25 Jun 1975 (M), Reported by Schott, G. L., AO 14: 2784
- Optical parallelism measurement of ruby laser rods (ET), AO 13: 1379
- Optical processing: a near real-time coherent system using two Itek PROM devices (TE), AO 15: 1418
- Optical propagation through a random phase screen (A), JOSA 68: 540
- Optical properties of  $\text{LiF}$  laser crystals containing  $M$  centers (A), JOSA 69: 1463
- Optical pulsed ranging: method for improving measurement accuracy (T) (L), AO 15: 1684
- Optical pump system for mode-controlled laser operation (E), AO 14: 1190
- Optical quality of pulsed electron-beam sustained lasers (TE), AO 13: 2512
- Optical sampling transient analyzer system (E), AO 15: 1404
- Optical system for laser Doppler homodyne detection (P), AO 16: 2789
- Optics and Lasers, an Engineering Physics Approach. By Matt Young (B). Reviewed by Jacobs, Stephen F., JOSA 68: 1153
- Optimum conditions for heterodyne detection of light (T), JOSA 65: 413
- Optoacoustic detection using Stark modulation (E), AO 18: 2602
- Ordinary paper for position determination of intense laser pulse (E) (L), AO 18: 4063
- Oscillation characteristics of an external-cavity system as used with the spin-flip Raman laser (T), AO 17: 1295
- Oscillator-amplifier configuration (P), AO 15: 2297
- Output power stability of  $\text{GaAlAs}$  laser transmitters using an optical tap for feedback control (E), AO 18: 1262
- Output properties of short-pulse gain-switched lasers, AO 14: 299
- Oxygen-17 enrichment by Ne II ion laser photo-predissociation of formaldehyde (A), JOSA 66: 390
- Parabolic axicon (T) (L), AO 13: 1291
- Parametric generation of single picosecond tunable pulses (E) (L), AO 18: 3545
- Parasitic mode suppressor for high power lasers (P), AO 15: 835
- Parasitic oscillations, absorption, stored energy density and heat density in active-mirror and disk amplifiers (TE), AO 17: 211
- Parasitic suppression in large aperture disk lasers employing liquid edge claddings (E), AO 15: 1453



- Partially clad triangular-cored glass optical fibers and lasers (E), JOSA 64: 1415
- Partially coherent image processing by laser scanning (TE), JOSA 65: 887
- Passive and/or active imaging system (P), AO 16: 13
- Performance characteristics of digital base-band laser communication systems (A), JOSA 64: 520
- Performance of a phase-compensated laser beam through atmospheric turbulence (A), JOSA 68: 540
- Performance of unstable ring resonator with spatial filter (A), JOSA 69: 1474
- Performances of a frequency-offset-locked He-Xe laser at 3.51  $\mu\text{m}$  (A), JOSA 69: 1458
- Perturbed Gaussian modes of an unbalanced antiresonant-ring laser cavity (T), JOSA 66: 1032
- Phase compensation for thermal blooming (T), AO 13: 331
- Phase-lock control considerations for coherently combined lasers (A), JOSA 68: 1385
- Phase-lock control considerations for coherently combined lasers (T), AO 18: 3165
- Phase matching of two-photon resonant 4-wave mixing processes in alkali metal vapors (A), JOSA 67: 251
- Phase-synchronization of laser oscillators (P), AO 13: 1252
- Phosphorescence exhibiting materials for optically pumped lasers (P), AO 18: 3999
- Photolytically pumped HgCl and XeF lasers (A), JOSA 68: 1646
- Physical optics propagation code (A), JOSA 67: 1438
- Physical Processes in Lasers. Edited by D. V. Skobel'syn (B), Reviewed by Waynant, Ronald W., JOSA 64: 575
- Physics of Quantum Electronics, Volume 4, Laser Photochemistry, Tunable Lasers, and Other Topics. Edited by Stephen F. Jacobs, Marian O. Scully, Murray Sargent III, and Charles F. Walker (B), Reviewed by Young, Matt, JOSA 67: 849
- Picosecond spectroscopy in biology and medicine (A), JOSA 68: 1382
- Planar optical coupler for a data bus system with single multimode fibers (ET), AO 16: 2195
- Plasma effects in the HCN laser (E), AO 16: 1197
- Plasmas and Laser Light. By T. P. Hughes (B), Reviewed by Sadowski, Walter L., AO 16: 1117
- Poem (N), AO 14: 1889
- Polarization effects caused by metal corner cubes in laser cavities (A), JOSA 66: 1133
- Polarization reference imaging systems. 2: Computer simulation studies (T), AO 15: 1411
- Polarization-selective laser mirror (P), AO 16: 2790
- Polarization studies of far-IR radiation from a line-focus plasma (A), JOSA 68: 1389
- Potential of composites and coatings for reducing thermal distortion from laser windows (T) (L), AO 14: 277
- Power scaling laws for cw HCN conventional Fabry-Perot lasers and comparison with cw HCN waveguide lasers (T), AO 18: 1513
- Preamplifier-oscillator combination (P), AO 16: 1814
- Precise interferometric laser-wavelength measurements: progress report (A), JOSA 66: 1099
- Precise interferometric laser wavelength measurements: status report (A), JOSA 67: 1413
- Prediction of the temporal scintillation spectrum of a blemished laser beam (A), JOSA 67: 1375
- Preionization via an amine seed gas (P), AO 16: 1813
- Prelaunch testing of the laser geodynamic satellite (TAGPOS): target cross section (A), JOSA 66: 1095
- Prelaunch testing of the laser geodynamic satellite (TAGPOS): target signature (A), JOSA 66: 1096
- Preliminary SHIVA laser-target experiments (A), JOSA 68: 1646
- Principles of Lasers. By Orazio Svelto, translated from Italian by David C. Hanna (B), Reviewed by Jacobs, Stephen F., JOSA 67: 710
- Principles of Laser Techniques: Solid-State Lasers. By B. R. Belostotskii, Yu. V. Lyubavskii, and V. M. Ovchinnikov. Edited by A. M. Prokhorov (B), Reviewed by Glass, Reuben C., AO 18: 1130
- PROBE: a new technique for measuring the density profile of a specific constituent using counterpropagating laser pulses (T), AO 16: 3016
- Problems of very-high-power generation (A), JOSA 64: 543
- Production of stress waves with nanosecond laser pulses (E) (L), AO 13: 1760
- Production of the stimulated Raman lines in  $\text{H}_2$  gas with a focused laser beam (ET), JOSA 64: 202
- Progress in Lasers and Laser Fusion. Edited by Arnold Perlmutter and Susan M. Widmayer (B), Reviewed by Waynant, Ronald W., AO 15: 2292
- Progress in Optics, Vol. 16. Edited by Emil Wolf (B), Reviewed by Hawkes, P. W., AO 18: A180
- Progress in Optics, Vol. 14. Edited by Emil Wolf (B), Reviewed by Young, Matt, JOSA 67: 1132
- Propagation of high-power laser beams in the atmosphere (A), JOSA 64: 543
- Propagation of laser beams having an on-axis null in the presence of thermal blooming (T), JOSA 66: 1384
- Properties of high-order transverse modes in astigmatic laser cavities (TE), JOSA 65: 867
- Properties of laser/electron beam crystallized silicon ribbons (A), JOSA 69: 1468
- Proposed multipass Thomson scattering system for tokamaks (E), AO 16: 1588
- Pulsed dye laser applied to magnetic-circular-dichroism measurements (A), JOSA 65: 1210
- Pulse propagation in partially homogeneously broadened laser amplifiers (A), JOSA 64: 562
- Pulse shape generator for laser fusion (TE), AO 15: 462
- Pump-induced optical distortions in disk amplifier modules: holographic and interferometric measurements (E), AO 14: 3057
- Pumping, liquid dye (P), AO 13: 1A26
- Pumping system (P), AO 13: 214
- Q-switched and mode-locked laser (P), AO 13: 1252
- Q-switched laser and laser rod (P), AO 18: A170
- Q-switched laser system (P), AO 13: 1251
- Q-switching (P), AO 13: 1A26
- Quadratic apodization: a technique for minimizing intensity-induced aberrations in high-power lasers (A), JOSA 65: 1208
- Quantum analysis of optical bistability and spectrum of fluctuations (T), OL 2: 88
- Quantum theory of a two-mode laser (A), JOSA 69: 1430
- Radiance produced by laser radiation transversing a particulate multiple-scattering medium (T), JOSA 67: 815
- Radiance produced by laser radiation transversing a particulate multiple-scattering medium (T) (errata), JOSA 67: 1695
- Range-gated active television tradeoff (A), JOSA 66: 389
- Reaction energy distribution studied by a laser resonant absorption method (A), JOSA 65: 1162
- Real time display of velocity distribution on a surface by using ultrasonic laser light frequency shifter and TV system (E) (L), AO 13: 2759
- Recent advances in laser-produced plasma lasers (A), JOSA 68: 1623
- Recent advances in tunable fiber-Raman lasers (A), JOSA 68: 633
- Reciprocity failure in Kodak HIE film exposed to ruby-laser pulses (E), JOSA 65: 1489
- Recombination lasers in  $\text{CO}_2$  laser-produced plasmas of Cd and Pb (A), JOSA 68: 1394
- Recording module of the 3M laser microfilm system (A), JOSA 66: 381
- Reflecting-optics system for uniform spherical illumination (A), JOSA 64: 565
- Reflection measurements at the interface between disk laser glass and edge cladding glass (E), AO 18: 97
- Reflection-type electrically controllable diffraction grating and its application to intracavity laser modulation (ET), AO 16: 1280
- Refractive-index dependence of pulsed-laser-induced damage (ET), OL 4: 256
- Regenerative laser device (P), AO 16: 2342
- Relativistic self-focusing of laser radiation in plasmas: theory (T), JOSA 65: 882
- Remote atmospheric sensing with an airborne laser absorption spectrometer (TE), AO 13: 2840
- Remote detection of CO by parametric tunable laser (A), JOSA 64: 257
- Remote measurements of ambient air pollutants with a bistatic laser system (E), AO 15: 2080
- Remote sensing of the troposphere by active optical techniques (A), JOSA 64: 550
- Resonant infrared four-wave mixing in cryogenic liquids (A), JOSA 67: 1369
- Resonant-pulse propagation method for line-shape parameters analysis (T) (L), JOSA 69: 368
- Resonator reflector adjustment (P), AO 14: 1757
- Resonator theory for hollow waveguide lasers (T), AO 13: 2117
- Response of Fabry-Perot interferometers to light pulses of very short duration (T), JOSA 65: 1418
- Review of experimental data from the Stanford free-electron laser experiment (A), JOSA 68: 628
- Ring laser for penetrating waves (P), AO 16: 539
- Ring laser gyro with dither and noise (A), JOSA 69: 1475
- Ring with novel folded assembly (P), AO 16: 1815
- Rotational-vibrational transition moments in excited states of spherical-top molecules (T), OL 1: 214
- Ruby neodymium combination laser (P), AO 18: A114
- Safe manipulation of high power beams (N), AO 13: 6A14
- Safety standards, revised (N), AO 15: 1946
- Satellite rings in solid state lasers (ET), AO 18: 2491
- Saturation effect for  $\text{H}_2\text{O}$  absorption lines at ruby laser wavelengths (E), AO 18: 3014
- Saturation of the P-28 transition in  $\text{SF}_6$  (A), JOSA 65: 1207
- Scattering of focused beams by tenuous particles (T), AO 18: 294
- Sea echo measurements made with 1.06- $\mu\text{m}$  laser radiation (E) (L), AO 13: 2477
- Secondary laser cavity for weak absorptions (E) (L), AO 17: 2659
- Second-order statistics of laser-speckle patterns (T), JOSA 65: 779
- Second-order statistics of laser-speckle patterns (T) (errata), JOSA 66: 79
- Selection of a single pulse from a mode-locked laser using avalanche transistors (E) (L), AO 14: 1758
- Selection of cw mode-locked laser pulses (E), AO 14: 643
- Selective laser photophysics and photochemistry (A), JOSA 66: 1116
- Selective resonant inversion of atomic vapors for isotope separation (A), JOSA 66: 1125
- Self-focusing in laser-induced breakdown of transparent materials (A), JOSA 69: 1471
- Self-Focusing of Laser Beams. By M. S. Sodha, A. K. Ghatak, and V. K. Tripathi (B), Reviewed by Feldman, Albert, AO 14: 1738
- Self-holograms of laser-drilled holes in heavy hydrocarbons (A), JOSA 67: 1443
- Self-induced beam steering of intense laser pulses in nonlinear media (T) (L), AO 13: 1288
- Self-induced irradiance fluctuations of a laser beam in an absorbing, turbulent medium (T), JOSA 64: 1645
- Semiconductor Lasers and Heterojunction LEDs. By Henry Kressel and J. K. Butler (B), Reviewed by Tien, P. K., AO 17: 2863
- Separation of light isotopes (N), AO 14: 1923
- SiC, a new material for mirrors. 1: High power lasers; 2: VUV applications (L), AO 15: 2006
- Silicon vidicon system for measuring laser intensity profiles (E), AO 17: 3938
- Similarities and dissimilarities in the biological effects of laser and ultrasonic radiation (A), JOSA 69: 1440
- Simple determination of workpiece-focal-point window tolerances in laser-material processing (A), JOSA 69: 1469
- Simplified analysis for high-energy laser propagation (T), JOSA 68: 750
- Simultaneous forward and backward integration for standing waves in a resonator (T) (L), AO 18: 2730
- Simultaneous oscillation of competing laser transitions (E), AO 17: 459
- Single frequency stabilized laser (P), AO 13: 2735
- Single heterostructure junction lasers (P), AO 13: 2735



- Single-transverse-mode injection lasers with embedded stripe layer grown by molecular-beam epitaxy (A), JOSA 66: 291
- Skylab-earth laser-beacon experiment: results and analysis (E) (L), JOSA 69: 1180
- Skylab-earth laser-beacon experiment: results and analysis (E) (L), JOSA 69: 1198
- Slitless optical-fiber laser Raman spectrometer (A), JOSA 64: 1368
- Small absorption coefficient measurement by calorimetric and spectral emittance techniques (E) (L), AO 13: 1741
- Solar pulser for laser pumping (P), AO 18: 3488
- Solid state laser apparatus with auxiliary intra-cavity mirror elements (P), AO 14: A77
- Solid-State Laser Engineering. By Walter Koechner (B). Reviewed by Ready, John F., JOSA 68: 272
- Solid-state laser, measure the precise distance between earth and the moon (N), AO 15: 1283
- Solid-state lasers (A), JOSA 66: 384
- Solid-state laser wavelength identification using a reference absorber (E) (L), AO 16: 2615
- Spatial coherence of a ruby laser beam by interferometry (ET), AO 17: 3500
- Spatial variation in the response of laser calorimeters (E) (L), AO 16: 1136
- Spatial variation of spin-flip Raman laser emission from  $\text{Hg}_{0.77}\text{Cd}_{0.23}\text{Te}$  (A), JOSA 67: 1424
- Spectra in the period between copper and bromine produced with the aid of a 4 GW laser (E), JOSA 65: 623
- Spectral-absorbance measurements for laser calorimetry (TE), JOSA 65: 573
- Spectral considerations in the laser isotope separation of uranium hexafluoride (A), JOSA 66: 78
- Spectra of highly ionized Cr, Fe, Co, and Ni emitted from laser produced plasma (A), JOSA 68: 1389
- Spectrophone measurements of infrared laser energy absorption by atmospheric dust (E), AO 15: 2546
- Spectroscopy, modified spectrophone (P), AO 15: 1670
- Split-beam system for laser drawing of optical fibers (A), JOSA 66: 380
- Spontaneous laser action in laser isotope separation (T) (L), AO 15: 1651
- Stability characteristics of self-pulsing lasers (A), JOSA 69: 1430
- Stabilization of xenon fluoride TEA discharge laser with UV preionization of a seed gas (A), JOSA 66: 1108
- Stable and unstable cylindrical-laser-resonator theory in an angular spectrum representation (T), JOSA 64: 1100
- Standardizing optically pumped laser materials (P), AO 13: 2735
- Standing wave unstable resonators for radial flow lasers (P), AO 16: 2342
- Statistical model of the cw unilateral partially homogeneously broadened ring laser (A), JOSA 69: 1475
- Stepwise laser photoionization of molecules in a mass spectrometer: a new method for probing and detection of polyatomic molecules (E), OL 3: 37
- Stimulated Cerenkov radiation from atmospheric pressure gases (A), JOSA 68: 1629
- Stimulated emission cross sections of  $\text{Nd:L}_2\text{Be}_2\text{O}_5$  at 1.08  $\mu\text{m}$ : correlation with Q-switched laser performance (A), JOSA 69: 1464
- Stimulated emission from nuclei (T), AO 13: 2499
- Stimulated emission of surface plasmons by electron tunneling in metal-barrier-metal structure (A), JOSA 68: 632
- Studies of nonmechanical laser gyros (A), JOSA 68: 1380
- Submillimeter laser wavelength tables (R), AO 15: 2635
- Subnanosecond pulse generation from a passively mode-locked ruby laser (E) (L), AO 18: 2347
- Subsonic flow aerodynamic window for high-energy lasers (A), JOSA 64: 1359
- Super radiant laser illuminator and image amplifier (P), AO 13: 2959
- Suppression of self-focusing through low-pass spatial filtering and relay imaging (T), AO 17: 3503
- Synchronous generation of independently tunable ultrashort pulses by double mode-locking of the cw dye laser (A), JOSA 68: 1394
- Synchronously pumped  $\text{LiNbO}_3$  optical parametric oscillator (E) (L), AO 18: 3543
- System for imaging through inclement weather at submillimeter wavelengths (A), JOSA 66: 389
- System for protection from laser radiation (P), AO 15: 10
- System-optical-quality (SOQ) computer modeling for laser pointing systems (A), JOSA 66: 1095
- System with an antiresonant optical ring (P), AO 15: 11
- Tablaser: trace (element) analyzer based on laser ablation and selectively excited radiation (E), AO 18: 281
- Table of Laser Lines in Gases and Vapors; 2nd Edition. By R. Beck, W. Englisch, and K. Gurs (B). Reviewed by Steinfeld, Jeffrey I., AO 17: 3854
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- Tables of Laser Lines in Gases and Vapors; 2nd Edition. By R. Beck, W. Englisch, and K. Gurs (B). Reviewed by Howard, John N., AO 17: 1478
- $\text{TbCl}_3\text{-AlCl}_3$  vapors: characteristics of a potential new high-energy gas phase laser medium (A), JOSA 68: 549
- TEA radioactively preionized electrical discharge laser (P), AO 17: 681
- Technische Anwendungen des Lasers. Edited by D. Rosenberg (B). Reviewed by Meyer-Arendt, Jürgen R., AO 15: 1108
- Temperature dependence and isotope effects in electronic to vibrational energy transfer from  $\text{Br}(4^2P_{1/2})$  to  $\text{HCl}$ ,  $^{12}\text{CO}_2$ , and  $^{13}\text{CO}_2$  (A), JOSA 68: 638
- Theoretical analysis of rare-earth laser materials (A), JOSA 64: 535
- Theoretical intensity uniformity from an anti-Gaussian collimating lens (T), AO 15: 2355
- Theoretical Problems in the Spectroscopy and Gas Dynamics of Lasers, Proceedings (Trudy) of the P. N. Lebedev Physics Institute, Volume 83. Edited by N. G. Basov. Translated from Russian by Donald H. McNeill (B). Reviewed by Wilson, Jack, JOSA 68: 1459
- Theory of longitudinal relativistic free-electron laser (A), JOSA 68: 628
- Theory of the free-electron laser (A), JOSA 68: 628
- Thermal-blooming compensation: experimental observations using a deformable-mirror system (E), AO 15: 990
- Thermal blooming in axial pipe flow (T) (L), AO 18: 2728
- Thermal blooming of a rapidly moving laser beam (T), AO 15: 218
- Thermal blooming of rapidly slued laser beams (T), AO 13: 2072
- Thermal blooming of repetitively pulsed laser beams (T), JOSA 64: 1651
- Thermal mixing gas laser (P), AO 13: 1251
- Thermal pinhole detector for beam alignment of LASL eight-beam  $\text{CO}_2$  laser system, helios (A), JOSA 68: 1441
- Thermal self-focusing of  $\text{TEM}_{01}$  laser beams and ring-shape self-focusing of two specific mixtures of modes (T), JOSA 65: 1027
- Thermodynamic analysis of laser irradiation of biological tissue (TE), AO 17: 3948
- Third-harmonic conversion of  $\text{XeCl}$ -laser radiation (ET), OL 4: 242
- Third-order nonlinear coefficients of cryogenic liquids (A), JOSA 69: 1464
- Third-order nonlinear susceptibility in  $\text{Hg}_{0.77}\text{Cd}_{0.23}\text{Te}$  (A), JOSA 69: 1464
- Three-dimensional imager (E), AO 16: 774
- Tilt misalignment sensitivity dependence on number of mirrors in unstable negative-branch-ring resonators (A), JOSA 69: 1475
- Toward a practicable multioscillator ring laser gyro (A), JOSA 66: 1133
- Transformation of statistical properties of amplified spontaneous emissions through a high-gain He-Ne 3.39  $\mu\text{m}$  laser amplifier (A), JOSA 66: 1076
- Transient thermal blooming of a slewed laser beam containing a region of stagnant absorber (TE), AO 16: 345
- Transient thermal blooming of single and multiple short laser pulses (A), JOSA 66: 78
- Transmission measurements of multiple photon absorption in  $\text{SF}_6$  (E), OL 1: 28
- Transverse Bragg-reflector injection lasers (E), OL 2: 136
- Transverse effects in superfluorescence (A), JOSA 69: 1430
- Transversely bounded DFB lasers (T), JOSA 65: 404
- Traveling wave lasers (N), AO 13: 1922
- Traveling wave laser system (P), AO 15: 2038
- Traveling wave unstable resonators for radial flow lasers (P), AO 16: 2342
- Treatment of field-test data illustrated by pulsed laser measurement (A), JOSA 64: 1359
- Tunable coherent vacuum ultraviolet radiation (A), JOSA 67: 1368
- Tunable, dual wavelength laser operation (P), AO 15: 10
- Tunable infrared molecular lasers optically pumped by a hydrogen-bromide laser (P), AO 13: 2961
- Tunable-laser performance in  $\text{BeAl}_2\text{O}_4\text{:Cr}^{3+}$  (E), OL 4: 182
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- Tunable near-infrared Raman oscillators and their applications (A), JOSA 67: 1361
- Tunable output coupler (P), AO 13: 1251
- Tunable polarization rotator for UV and visible laser radiation employing optically active media (A), JOSA 67: 1436
- Tunable submillimeter-wave sources based on laser light scattering (A), JOSA 65: 1204
- Tunable ( $\text{Ti}_3\text{AsSe}_3$ ) acousto-optically (P), AO 15: 2296
- Tunable via surface acoustic waves (P), AO 15: 2297
- Two novel laser scan systems (A), JOSA 68: 1373
- Two stage gas dynamic laser (P), AO 15: 834
- Ultra-fast terminator for intense laser pulses (P), AO 15: 582
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- Ultraviolet polarization effects caused by metal corner cubes in laser cavities (A), JOSA 67: 1436
- Ultraviolet spectral efficiencies of surface-spark discharges with emphasis on the iodine photodissociation laser pumpband (E), AO 16: 1572
- Umbrella-type dynamic-focusing mirror system (E), AO 18: 386
- Unstable optical resonators (R), AO 13: 353
- Unstable resonator laser system (P), AO 18: 1287
- Unstable ring resonator with cylindrical mirrors (P), AO 18: 3925
- Urea: a convenient and efficient nonlinear organic crystal (A), JOSA 69: 1464
- Use of lasers in medicine (A), JOSA 64: 534
- Variable-aperture calorimeter for an unstable resonator (ET), AO 15: 2367
- Variable attenuator for Gaussian laser beams (TE), AO 17: 3840
- Velocity and depth contours with a mode-locked pulse (T) (L), AO 15: 1128
- Versatile electrooptic alignment system for field applications (ET), AO 13: 937
- Vibration energy transfer laser, nitrogen plus  $\text{HBr}$  (P), AO 17: 1985
- Visible optical isolator using  $\text{ZnSe}$  (ET), AO 16: 1584
- Waveguide  $\text{H}_2$  Raman laser (E) (L), AO 15: 2005
- Waveguide lasers with intracavity electrooptic modulators: misalignment loss (T), AO 15: 1066
- Wavelength measurement of an  $\text{H}_2\text{CO}$ -stabilized He-Xe laser at 3.51  $\mu\text{m}$  (A), JOSA 69: 1458
- $\text{XeF}[B \rightarrow X]$  laser optically excited by incoherent  $\text{Xe}_2^*$  [172-nm] radiation (E), OL 3: 94
- $\text{XeF}$  waveguide laser (E), OL 3: 221
- Ytterbium glass laser, 1.024 nanometers (P), AO 13: 1A26
- ZAPS—a new point-of-interest projection system (A), JOSA 67: 1375

## Laser safety

See also Laser damage



Audio-visual program (N), AO 14: 2043  
Laser protective eyewear (R), AO 13: 275

## Lasers, amplifiers

See also Lasers  
Double pass laser amplifiers (ET) (L), AO 13: 118

## Lasers, argon

See also Lasers  
Limiting range of a nearly coaxial-active viewing system in water (A), JOSA 66: 1097  
126.1-nm molecular-argon laser (A), JOSA 64: 557  
Stable resonator for high-power argon-ion laser (A), JOSA 64: 553

## Lasers, beams

See also Beams, Lasers  
Beam characteristics of a lidar system (E), AO 13: 63  
Characteristics of phase-aberrated nondiffraction-limited laser beams (T), AO 13: 1065  
Efficient generation of laser beams with an elliptic cross section: comments on (E) (L), AO 13: 1274  
Simple methods for the measurement of laser beam parameters (E) (L), AO 13: 1276  
Unobscured laser-beam-expander pointing system with tilted spherical mirrors (T) (L), AO 13: 21

## Lasers, carbon dioxide

See also Lasers  
Absorption coefficients for fourteen gases at CO<sub>2</sub> laser frequencies (E) (L), AO 15: 1688  
Absorption coefficients of jet fuels for CO and CO<sub>2</sub> laser transitions (A), JOSA 68: 1403  
Absorption of carbon dioxide 9.4- $\mu$ m laser radiation by ozone (E), AO 13: 1438  
A.F.W.L. 10.6- $\mu$ m absorption calorimeter for metal-substrate mirrors (A), JOSA 64: 536  
Analysis of optically pumped CO<sub>2</sub> laser (T), AO 13: 2799  
Autonomous rendezvous and docking in synchronous orbit with a 10.6  $\mu$ m lidar (A), JOSA 66: 380  
Beam diagnostics for high energy pulsed CO<sub>2</sub> lasers (E), AO 13: 314  
Broadband gas isolator for high-power CO<sub>2</sub> lasers (E), OL 2: 39  
Build your own solar heat collector, AO 16: 77  
Calorimeter for use at 10.6  $\mu$ m (A), JOSA 64: 535  
Calorimeter to measure the 10.6- $\mu$ m absorption of metal substrate mirrors (E), AO 14: 721  
Calorimetric absorption coefficient measurements using pulsed CO<sub>2</sub> lasers (E), AO 18: 3517  
Carbon dioxide (10.6- $\mu$ m) atmospheric propagation enhancement due to off-line center tuning (T), AO 18: 2323  
Carbon dioxide laser absorption coefficients for determining ambient levels of O<sub>3</sub>, NH<sub>3</sub>, and C<sub>2</sub>H<sub>4</sub> (E), AO 13: 2850  
Carbon dioxide laser absorption coefficients of various air pollutants (E) (L), AO 14: 2058  
Carbon dioxide laser beam shaping with computer generated holograms (E) (L), AO 15: 2959  
Carbon dioxide laser employing multiple gases including oxygen and water vapor (P), AO 13: 5A26  
Carbon dioxide laser saturation of internal-vibrational modes of molecular impurities in alkali halides (E), OL 3: 112  
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Carbon dioxide laser space data relay links (A), JOSA 64: 520  
Carbon dioxide laser systems for fusion studies (A), JOSA 66: 387  
Characterization of pyroelectric vidicons for use with pulsed CO<sub>2</sub> lasers (A), JOSA 67: 1445  
Coherent optical pulse synthesis using phase-locked lasers and nonlinear optical processes (T) (L), AO 18: 1693  
Coherent transient effects using a frequency-switched CO<sub>2</sub> laser (A), JOSA 68: 1388  
Collisionless ionization of H<sub>2</sub>O and D<sub>2</sub>O by a high-power CO<sub>2</sub> laser (A), JOSA 67: 1396  
Comparison of theory and experiment on the performance of the Los Alamos scientific laboratory eight-beam 10 kJ CO<sub>2</sub> laser (A), JOSA 68: 668  
Continuous tuning of 12 GHz in two bands of CO<sub>2</sub> laser lines (ET), OL 1: 38  
Cutting applications of industrial CO<sub>2</sub> lasers, Technotes (N), AO 13: 1114  
Damage threshold variation with spot size at 10.6  $\mu$ m for Kalvar and Polaroid films (E) (L), AO 18: 424  
Dichroic components for high energy CO<sub>2</sub> lasers (A), JOSA 66: 166  
Differential spectrophone measurements of the absorption of laser energy by atmospheric dust (E) (L), AO 14: 2564  
Diode laser-CO<sub>2</sub> laser heterodyne spectrometer: measurement of 2sQ(1,1) in  $\nu_2 - \nu_2$  of NH<sub>3</sub> (E), AO 18: 1808  
Direct measurement of the accuracy of CO<sub>2</sub> laser alignment on target (E), AO 17: 3809  
Distributed feedback CO<sub>2</sub> laser (A), JOSA 66: 292  
Dual Bragg cell local oscillator generator for laser heterodyne radar systems (A), JOSA 66: 380  
Effects of oxygen addition on pressure-broadened water-vapor absorption in the 10- $\mu$ m region (E), AO 17: 2724  
Effects of window segmentation on the LASL 100 kJ CO<sub>2</sub> laser-fusion system (A), JOSA 67: 1405  
Efficient frequency tripling of CO<sub>2</sub>-laser radiation in tandem CdGeAs<sub>2</sub> crystals (E), OL 4: 55  
Efficient phase-matched infrared third-harmonic generation in liquid CO—O<sub>2</sub>—SF<sub>6</sub> mixtures (ET), OL 2: 33  
Efficient third harmonic generation of CO<sub>2</sub> laser radiation in liquid CO—O<sub>2</sub>—SF<sub>6</sub> mixtures (A), JOSA 68: 549  
Efficient third harmonic generation in liquid CO—O<sub>2</sub> mixtures (A), JOSA 68: 1626  
Electrooptically Q-switched CO<sub>2</sub> waveguide laser (E), AO 18: 2824  
Enhancement of third harmonic generation in metal-dielectric waveguides (TE), AO 18: 728  
Enhancement of third harmonic generation in metal-dielectric waveguides: comment (T) (L), AO 18: 2733  
Estimation of output power and optimum transmittance through a coupling-out hole for a cw CO<sub>2</sub> laser (TE) (L), AO 13: 19  
Experimental evidence of laser-induced separations in bulk gas mixtures (A), JOSA 66: 78  
Experimental study of an adaptive-laser resonator (E), OL 3: 79  
Faraday rotation optical isolator for 10.6- $\mu$ m radiation (E), AO 13: 2313  
Flash evaporation of compounds with a pulsed-discharge CO<sub>2</sub> laser (E), AO 15: 1327  
Fog hole boring with pulsed high-energy lasers: an exact solution including scattering and absorption (T), AO 17: 3424  
Generation of single ultrashort CO<sub>2</sub> laser pulses in a Fabry-Perot interferometer (E), OL 1: 161  
Generation of subnanosecond CO<sub>2</sub> laser pulses by electro-optical modulation (A), JOSA 66: 387  
Glass fiber hermetic seals using a CO<sub>2</sub> laser (E), AO 14: 1342  
Harmonic generation in CO<sub>2</sub> laser target interaction (A), JOSA 67: 1396  
Heterogeneous condensation of BCl<sub>3</sub> in the presence of CO<sub>2</sub> laser irradiation (E), OL 3: 10  
High efficiency CO<sub>2</sub> laser system "Lekko II" using multiline energy extraction (A), JOSA 68: 670  
Highly efficient reflection-type polarizers for 10.6- $\mu$ m CO<sub>2</sub> laser radiation using aluminum oxide coated aluminum mirrors (TE) (L), AO 17: 1657  
High-power gas lasers (A), JOSA 66: 383  
High-power industrial CO<sub>2</sub> lasers and their applications (A), JOSA 66: 379  
High-power tuned TEA CO<sub>2</sub> laser using a three-mirror confocal unstable resonator (E) (L), AO 18: 3722  
Hypersonic carbon dioxide laser (P), AO 17: 2666

Ignition and maintenance of cw plasma in air with cw CO<sub>2</sub> laser radiation (A), JOSA 64: 1356  
Inexpensive method to stabilize the frequency of a CO<sub>2</sub> laser (A), JOSA 64: 1359  
Inhomogeneous interface laser mirror coatings (E), AO 18: 2979  
Injection mode locking of a TEA CO<sub>2</sub> laser on P and R transitions in the 9- and 10- $\mu$ m bands (ET), OL 4: 250  
Injection tuning of a pulsed TEA CO<sub>2</sub> laser (E) (L), AO 16: 293  
Intense high-pressure sequence-band CO<sub>2</sub> laser (E), OL 2: 16  
Interaction of TEA CO<sub>2</sub> laser radiation with aerosol particles (E), AO 15: 2917  
Investigation of TEA-CO<sub>2</sub> laser mode-locking by an intracavity (A), JOSA 68: 1394  
Isolation of high-power multiline CO<sub>2</sub> laser amplifier chains from the target reflection (A), JOSA 66: 387  
Kinetic cooling observation with a cw CO<sub>2</sub> laser (E), AO 16: 1342  
Large diameter NaCl windows for CO<sub>2</sub> lasers (A), JOSA 68: 1397  
Laser action by optically depumping lower states (P), AO 16: 2790  
Laser optoacoustic absorption spectra for various explosive vapors (E), AO 17: 2097  
Laser pulses by means of a gas laser (P), AO 18: 3937  
Laser stabilization on CO<sub>2</sub> saturated-absorption fluorescence without cryogenics (A), JOSA 69: 1458  
Laser tuners using circular piezoelectric benders (ET), AO 14: 1297  
Lensless measurement of Gaussian laser beam divergence (A), JOSA 68: 1436  
Longitudinal-mode control of a CO<sub>2</sub> TE laser by means of intracavity absorbers (E), AO 18: 1311  
Low loss laser modulator (P), AO 17: 1985  
Low-voltage TE-CO<sub>2</sub> laser (A), JOSA 64: 1360  
Materials processing with CO<sub>2</sub> laser holographic scanner systems (TE), AO 17: 3727  
Measurements at 10.6  $\mu$ m with pyroelectric vidicons (A), JOSA 67: 1445  
Measurements of NH<sub>3</sub> absorption coefficients with a <sup>13</sup>C<sup>16</sup>O<sub>2</sub> laser (ET), AO 14: 2229  
Measurements of small signal absorption at high temperature for the 001-100 band of CO<sub>2</sub> (E), AO 13: 1920  
Metallurgical engineering considerations from the 100-kJ CO<sub>2</sub> laser (A), JOSA 67: 1378  
Mode calculations in unstable resonators with flowing saturable gain. 2: Fast Fourier transform method (T), AO 14: 1874  
4.3- $\mu$ m TE CO<sub>2</sub> laser (E), OL 4: 253  
Multiphoton dissociation of molecules by direct excitation of the stretching mode (A), JOSA 68: 639  
Nanosecond photography at 10.6  $\mu$ m using silver halide film (E), AO 18: 2422  
Near 16 micron CO<sub>2</sub> laser system (P), AO 17: 2666  
Optical analysis of CO<sub>2</sub> laser system using infrared interferometry (A), JOSA 68: 1390  
Optical analysis of the LASL 10 kJ CO<sub>2</sub> laser fusion system (A), JOSA 67: 1405  
Optical design aspects of the 10.6  $\mu$ m laser data relay link (LDRL) transmitter/receiver (A), JOSA 66: 389  
Optical design of a 100 kJ CO<sub>2</sub> laser-fusion system (A), JOSA 67: 1405  
Optical fiber end preparation using a CO<sub>2</sub> laser (E), AO 17: 1210  
Optical homogeneity of a ultraviolet-preionized CO<sub>2</sub> laser discharge (E) (L), AO 13: 1995  
Optical performance calculations for a 100 kJ CO<sub>2</sub> laser-fusion system (A), JOSA 67: 1405  
Optical quality of pulsed electron-beam sustained lasers (TE), AO 13: 2512  
Optical suitability of window materials for CO<sub>2</sub> lasers (ET), AO 16: 1232  
Ozone spectroscopy with a CO<sub>2</sub> waveguide laser (E) (L), AO 15: 2597  
Passive-Q-switching at high intensities and high absorber pressures (E), AO 15: 1530  
Passive Q-switching of a CO<sub>2</sub> laser by CH<sub>3</sub>F: an analysis (ET), AO 16: 2757  
Performance and growth potential of CO<sub>2</sub> laser space communication systems (A), JOSA 66: 388  
Performance characteristics of a 10-kW industrial CO<sub>2</sub> laser system (E), AO 13: 1959  
Performance of a high-power submillimeter oscillator-amplifier system (A), JOSA 67: 1404



Photoacoustic air pollution detector at CO<sub>2</sub> laser frequencies (ET), AO 18: 2938

Photoacoustic spectroscopy of NH<sub>3</sub> at the 9- $\mu$ m and 10- $\mu$ m <sup>12</sup>C<sup>18</sup>O<sub>2</sub> laser wavelengths (E), AO 17: 3746

Power stabilized CO<sub>2</sub> gas transport laser (P), AO 15: 2037

Precision beam splitters for CO<sub>2</sub> lasers (E), AO 14: 647

Prepulse elimination in high-power CO<sub>2</sub> lasers (A), JOSA 66: 387

Properties of a coaxial cw CO<sub>2</sub> laser (E), AO 18: 1130

Proposed method of measuring the current distribution in a tokamak plasma (E), AO 13: 1134

Pulsed and Doppler CO<sub>2</sub>-laser radar (A), JOSA 66: 380

Pulsed CO<sub>2</sub> laser with combined high-current discharge (E) (L), AO 15: 1373

Pulsed CO<sub>2</sub> TEA laser rangefinder, AO 17: 885

Pyroelectric vidicons for measurements on CO<sub>2</sub> laser systems (A), JOSA 68: 543

Q-switching and mode locking of the CO<sub>2</sub> laser with benzene vapor (A), JOSA 64: 553

Rapid TEA CO<sub>2</sub> laser with high power output (A), JOSA 68: 673

Rate equations of high gain lasers and determination of laser parameters (ET), AO 13: 374

Reflection suppression for a high-gain CO<sub>2</sub> laser system (A), JOSA 67: 1405

Resonant phase-conjugate reflection and amplification at 10.6  $\mu$ m in inverted CO<sub>2</sub> (E), OL 4: 140

Saturable gas absorber for a 9- $\mu$ m-band CO<sub>2</sub>-laser amplifier (E), OL 4: 199

Sequence band emission in a TEA-CO<sub>2</sub> amplifier (A), JOSA 67: 1404

Shock wave generation in air and in water by CO<sub>2</sub> TEA laser radiation (E), AO 13: 605

Short-pulse generation from intracavity laser breakdown plasmas (A), JOSA 67: 1404

Simple determination of workpiece-focal-point window tolerances in laser-material processing (ET) (L), AO 18: 3205

Simultaneous frequency stabilization and injection in a TEA-CO<sub>2</sub> laser (A), JOSA 67: 1403

Simultaneous frequency stabilization and injection in a TEA-CO<sub>2</sub> oscillator (E), AO 17: 1015

Simultaneous heating and temperature measurements by an infrared laser beam (TE), AO 15: 353

Single longitudinal mode TEA CO<sub>2</sub> laser with tilted intracavity etalon (L), AO 16: 2620

Single-sideband generator for CO<sub>2</sub> lasers (A), JOSA 66: 1094

Spectral output of a helical TEA CO<sub>2</sub> laser and its dependence on charging voltage (E) (L), AO 16: 1137

Stable cw waveguide CO<sub>2</sub> laser for high-resolution saturation spectroscopy. application to the  $\nu_3$  band of SF<sub>6</sub> (A), JOSA 68: 624

Stable pulses of variable width from a mode-locked hybrid TEA-CO<sub>2</sub> laser (E), OL 4: 196

Stimulated rotational Raman scattering from para-H<sub>2</sub> pumped by a CO<sub>2</sub> TEA laser (E), OL 3: 147

Striated filamentary sparks produced by a CO<sub>2</sub> TEA laser (E), OL 4: 369

Subnanosecond probing of pulse-broadening effects in a multiatmosphere CO<sub>2</sub> amplifier (A), JOSA 67: 1404

Sulfur dioxide absorption cross sections for <sup>12</sup>C<sup>18</sup>O<sub>2</sub> laser lines around 9  $\mu$ m (E) (L), AO 17: 3347

TEA-laser emission on the sequence bands of CO<sub>2</sub> (E), OL 2: 127

Technique for obtaining cw CO<sub>2</sub> sequence laser lines using an incavity NH<sub>3</sub> cell (E) (L), AO 17: 3523

Thermal mixing gas laser (P), AO 13: 1251

Time-resolved molecular excitation and heat effects induced by infrared radiation (E), AO 16: 1931

Transmission at  $\lambda = 10.6$ - $\mu$ m wavelength through the upper atmosphere (T), AO 17: 2316

Transversely-excited waveguide gas laser (P), AO 14: A77

Transverse mode beating by injection locking TEA-CO<sub>2</sub> lasers (A), JOSA 68: 1395

Tunability characteristics of waveguide CO<sub>2</sub> lasers with internal etalons (T), AO 14: 1706

Tunable laser oscillator (P), AO 16: 2341

Tunable linearly polarized TEM<sub>00</sub> operation of CO<sub>2</sub> laser with a concave diffraction grating (E) (L), AO 15: 2956

Two-beam CO<sub>2</sub> laser system for laser-induced fusion experiments (A), JOSA 66: 387

Two-layer low-absorption antireflection coating for KCl (E), AO 17: 447

Ultrafast COCO-II laser diagnostics (A), JOSA 67: 1404

Ultra-fast pyroelectric detectors for CO<sub>2</sub> laser measurements (A), JOSA 69: 373

Ultrashort CO<sub>2</sub> laser-pulse generation using a Fabry-Perot interferometer (A), JOSA 67: 1404

Upconversion linearity in proustite for short 10.6- $\mu$ m pulse diagnostics (E), OL 4: 45

Use of a CO<sub>2</sub> laser to determine half widths and strengths for lines in the 10.4- $\mu$ m CO<sub>2</sub> band (A), JOSA 64: 530

Use of the gliding discharge for preionization of the pulsed gas discharge lasers (A), JOSA 68: 669

Use of the TEM<sub>10</sub> laser mode for IR holography at 10.6  $\mu$ m (E) (L), AO 17: 3864

Variable pulse-width generation for CO<sub>2</sub> lasers in the 100 ps to 1 ns range (A), JOSA 68: 543

Variable width pulses from a mode-locked TEA-CO<sub>2</sub> hybrid laser (A), JOSA 68: 1394

Vibrational energy pathways in CO<sub>2</sub> (A), JOSA 68: 656

Water vapor absorption of carbon dioxide laser radiation (E), AO 15: 2480

Water vapor-nitrogen absorption at CO<sub>2</sub> laser frequencies (E), AO 18: 834

Waveguide CO<sub>2</sub> lasers for a space communications transceiver (A), JOSA 66: 383

Waveguide electro-optic modulator for CO<sub>2</sub> lasers (A), JOSA 66: 389

Waveguide with wavelength selective guide (P), AO 16: 539

## Lasers, carbon monoxide

See also Lasers

Absorption coefficients of jet fuels for CO and CO<sub>2</sub> laser transitions (A), JOSA 68: 1403

Acoustical wave effects on the beam quality of a high energy CO electric discharge laser (E), AO 14: 1290

Bulk and surface calorimetric measurements at CO wavelengths (A), JOSA 67: 253

Bulk and surface calorimetric measurements at CO wavelengths (E), AO 16: 2914

Electric-discharge excited gaseous laser (P), AO 13: 2961

Fission fragment excited laser system (P), AO 16: 538

Gas dynamically pumped (P), AO 15: 1670

High-power CO chemical laser (A), JOSA 68: 653

Laser optoacoustic spectroscopy: Detection of HCN and NH<sub>3</sub> during reduction of NO over Pt catalysts (A), JOSA 66: 1079

Liquid argon cooled CO laser (ET) (L), AO 15: 606

Optoacoustic measurements of water vapor absorption at selected CO laser wavelengths in the 5- $\mu$ m region (E) (L), AO 15: 2025

Room temperature CO laser (P), AO 13: 1251

Spectral line selection of carbon monoxide lasers (ET), AO 13: 2812

Surface chemistry and absorptance of CaF<sub>2</sub> and SrF<sub>2</sub> at DF and CO wavelengths (A), JOSA 67: 254

## Lasers, chemical

See also Lasers

Atomic bromine chemical laser (A), JOSA 68: 52

Atomic bromine electronic-transition chemical laser (E), OL 4: 1

Beam deflection in a pulsed chemical laser amplifier (ET), AO 18: 869

Chain reaction HCl chemical laser (P), AO 15: 582

Chemical laser power spectral performance: a coupled fluid dynamic, kinetic, and physical optics model (T), AO 17: 2244

Chemical laser process and apparatus (P), AO 18: 1287

Chemical laser technology (A), JOSA 64: 543

Chemically pumped cw iodine laser (A), JOSA 68: 652

Chemical production of NF ( $a^1\Delta$ ) and ( $b^1\Sigma$ ) excited states in a supersonic cw laser device (A), JOSA 68: 654

Continuous wave, free-burning flame laser (P), AO 13: 1251

Effect of cavity transients and rotational relaxation on the performance of pulsed HF chemical lasers: a theoretical investigation (T), AO 14: 2960

Effect of mixing rate on HF chemical laser performance (T), AO 13: 962

Interhalogen based combustion-driven laser with continuous wave output (P), AO 16: 539

Intracavity dye laser spectroscopy as a gain probing technique (E), AO 15: 2372

Kinetic model and computer simulation of continuous wave DF-CO<sub>2</sub> chemical transfer lasers (ET), AO 13: 2823

Lorentz broadening in the modeling of the HF chemical laser (R), AO 16: 2297

Metal atom oxidation laser (P), AO 17: 1468

Modulated transmission spectroscopy of gaseous chemi-excited Ca and Sr monoxides (E), AO 16: 2108

Phase control of HF chemical lasers for coherent optical recombination (T), AO 18: 1322

Physical constraints associated with the development of a laser based on electrochemiluminescence (T), AO 14: 909

Potential electronic transition chemical laser: parametric evaluation (T), AO 14: 1898

Prospects for developing a laser based on electrochemiluminescence (T), AO 13: 1121

Rotational relaxation in a line-selected continuous HF chemical laser (T), AO 14: 1713

Supersonic HCl chemical laser (A), JOSA 68: 652

Transfer chemical laser: modeling of a cw DF-CO<sub>2</sub> laser (TE), AO 15: 1164

Transverse-flow quasi-cw HF chemical laser: design and preliminary performance (E), AO 13: 2835

## Lasers, deuterium fluoride

See also Lasers

Absorption by HDO at DF laser wavelengths (A), JOSA 66: 1088

Absorption of DF laser radiation by propane and butane (E) (L), AO 15: 1114

Analysis of long-path DF laser atmospheric transmission measurements (A), JOSA 66: 1087

Application of high-resolution spectroscopy to DF laser propagation (A), JOSA 65: 1201

Application of pulsed-source spectrophotometer to absorption by methane at DF laser wavelengths (E) (L), AO 15: 2970

Atmospheric gas absorption at DF laser wavelengths (ET), AO 13: 2855

Atmospheric transmission measurements at HF and DF laser wavelengths (E) (L), AO 15: 1115

DF laser-induced gas breakdown (A), JOSA 69: 1412

Extinction of DF laser radiation derived from atmospheric measurements (A), JOSA 64: 1391

Hydrogen deuterium oxide absorption measurements using a single frequency DF laser (A), JOSA 64: 1391

Kinetic model and computer simulation of continuous wave DF-CO<sub>2</sub> chemical transfer lasers (ET), AO 13: 2823

Low-loss antireflection coatings for DF chemical lasers (A), JOSA 68: 1418

Low-loss antireflection coatings for DF chemical lasers (ET), AO 18: 1220

Optics for a 5 km DF laser extinction experiment (A), JOSA 65: 1202

Photoacoustic measurements of surface and bulk absorption in HF/DF laser window materials (ET), AO 16: 2919

Photoinitiated F<sub>2</sub> + H<sub>2</sub>/D<sub>2</sub> chain reaction laser (A), JOSA 66: 1109

Pressure dependence of the water vapor continuum absorption in the 3.5-4.0- $\mu$ m region (E), AO 18: 1149

Residual absorption in HF and DF laser window materials from contamination by carbonaceous and other impurities (A), JOSA 67: 254

Surface and bulk absorption in HF/DF laser window materials (A), JOSA 67: 253

Surface chemistry and absorptance of CaF<sub>2</sub> and SrF<sub>2</sub> at DF and CO wavelengths (A), JOSA 67: 254

Transfer chemical laser: modeling of a cw DF-CO<sub>2</sub> laser (TE), AO 15: 1164

Water continuum absorption measurements using a single-frequency DF laser (A), JOSA 65: 1201



Water-vapor absorption measurements using a line-tunable deuterium fluoride laser (A), JOSA 65: 1201

Water vapor continuum absorption in the 3.5–4.0- $\mu\text{m}$  region (ET), AO 17: 2711

## Lasers, diode

See also Lasers

Analysis of waveguiding in stripe geometry diode lasers (A), JOSA 68: 1434

Application of the equivalent-index method to DH diode lasers (T) (L), AO 18: 3724

Bandstrength determination of the fundamental vibration-rotation spectrum of ClO (E) (L), AO 17: 1680

Beam scanning and wavelength modulation of diode lasers (A), JOSA 68: 1434

Calibration of the absorption spectra at 14–15  $\mu\text{m}$  obtained with a tunable diode laser (E) (L), AO 15: 2973

Continuous cw 1000-hour operation of double-heterostructure GaInAsP-InP lasers (A), JOSA 67: 708

Continuous wave double heterostructure LED and laser sources for the 1  $\mu\text{m}$  wavelength region (A), JOSA 66: 288

Diode laser analyses of the  $3\nu_1 + \nu_2 \leftarrow 2\nu_1^0$  and  $4\nu_1^0 + \nu_2 \leftarrow 3\nu_1^0$  Q branches of  $\text{C}_3\text{O}_2$  (ET), OL 2: 157

Diode lasers for gas analysis: some characteristics (E), AO 15: 748

Diode laser spectra with simultaneous frequency calibration (E) (L), AO 17: 2674

Distributed feedback (P), AO 16: 1815

Distributed-feedback buried-heterostructure diode laser (A), JOSA 66: 1114

Double heterostructure device (P), AO 16: 1815

External-cavity-controlled 32-MHz narrow-band cw GaAlAs-diode lasers (E), OL 1: 61

Folded lobe large optical cavity laser diode (P), AO 15: 9

Global monitoring of stratospheric halogen compounds from a satellite using gas filter spectroscopy in the solar occultation mode (TE) (L), AO 16: 1479

Heterostructure laser having a stripe region defined in an active layer by a difference in impurity (P), AO 18: 2542

Heterostructure Lasers. Part A: Fundamental Principles; Part B: Materials and Operating Characteristics. By H. C. Casey, Jr., and M. B. Panish (B), Reviewed by Kressel, Henry, AO 18: 147

High-power low beam divergence coupled multiple stripe diode laser (A), JOSA 69: 1482

High resolution spectral measurement of the  $\text{HNO}_3$  11.3- $\mu\text{m}$  band using tunable diode lasers (ET), AO 17: 91

High resolution spectral measurement of the  $\text{HNO}_3$  5.9- $\mu\text{m}$  band using a tunable diode laser (E), AO 18: 4152

High-resolution spectroscopy of combustion gases using a tunable IR diode laser (E) (L), AO 16: 2045

High-resolution stark spectroscopy in the  $\nu_4$  band of  $\text{NH}_3$  using a thin-film diode laser (E), AO 13: 1431

High-sensitivity infrared heterodyne radiometer using a tunable-diode-laser local oscillator (E), OL 1: 84

High sensitivity point monitoring of atmospheric gases employing tunable diode lasers, AO 17: 1806

High sensitivity point monitoring of ozone, and high resolution spectroscopy of the  $\nu_3$  band of ozone using a tunable semiconductor diode laser (E), AO 18: 1198

High sensitivity pollution detection employing tunable diode lasers (E), AO 17: 300

Injection laser array (P), AO 18: A170

Intercomparison of  $\text{CO}_2$  and  $\text{HCN}$  wave numbers at 800–600  $\text{cm}^{-1}$  with a diode laser spectrometer (E) (L), AO 18: 2918

Kilometer-path low-temperature multiple-reflection cell for laser spectroscopy using tunable semiconductor diodes (E), AO 17: 2511

Laser diodes for fiber communications (A), JOSA 67: 708

Light emitting element drive system (P), AO 18: 3347

Light self-injecting semiconductor laser device (P), AO 18: 1286

Long-path laser monitor of carbon monoxide: system improvements (E), AO 18: 3004

Long-path monitoring: advanced instrumentation with a tunable diode laser (E) (L), AO 15: 1653

Long-path monitoring of atmospheric carbon monoxide with a tunable diode laser system (E), AO 14: 854

Lyot depolarizer in quasimonochromatic light (T), JOSA 69: 460

Measurement of the fundamental vibration—rotation spectrum of ClO (E) (L), AO 16: 523

Optical feedback effects in cw injection lasers (E), AO 17: 2233

Optical feedback effects on the performance of  $\text{Pb}_{1-x}\text{Sn}_x\text{Se}$  semiconductor lasers (E), AO 18: 3978

Picosecond pulse generation with a cw GaAlAs laser diode (A), JOSA 68: 1620

Protective coating for laser diodes (N), AO 18: 2601

Reduction of resonancelike peak in direct modulation due to carrier diffusion in injection laser (T), AO 17: 1949

Room temperature cw laser diodes—an overview (A), JOSA 66: 291

Room-temperature operation of GaInAsP/InP double-heterostructure diode lasers emitting at 1.1  $\mu\text{m}$  (A), JOSA 66: 288

Semiconductor injection laser (P), AO 17: 1469

Temperature measurement technique for high-temperature gases using a tunable diode laser (ET) (L), AO 17: 2477

The  $\nu_2$  band of  $\text{N}_2\text{O}$  as a frequency standard in the 17- $\mu\text{m}$  region of the infrared (ET) (L), AO 18: 1136

Transverse-mode stabilized Ga<sub>1-x</sub>Al<sub>x</sub>As visible diode lasers (E), AO 18: 1812

Tunable diode laser high resolution spectroscopic measurements of the  $\nu_2$  vibration of carbon dioxide (E), AO 14: 1120

Use of heterostructure diode lasers in video disk systems (E), AO 17: 863

Very high sensitivity diode laser spectrometer (A), JOSA 68: 637

Wavenumber calibration of tunable diode lasers using etalons (E) (L), AO 17: 851

## Lasers, dye

See also Lasers

Ablative flashlamps for high peak power dye lasers (E), AO 16: 2293

Acoustooptically tuned laser (P), AO 16: 2790

Affinement spectral dans les lasers a colorants pulses (T), AO 17: 955

Angular distribution of amplified spontaneous emission—a comparison of theory and laser dye experiment (A), JOSA 67: 1436

Application of a pulsed dye laser to optoacoustic detection of  $\text{NO}_2$  (A), JOSA 66: 1072

Application of pressure scanning to the tuning of a high resolution dye laser (E), AO 13: 2095

Approximate analytic solutions for the optical pumping of fluorescent dyes (T), AO 18: 189

Arylidene dye lasers (P), AO 15: 9

Automatically reacquiring a predetermined output radiation frequency in a tunable laser system despite momentary perturbations of laser oscillation (P), AO 18: 3937

Axial mode structure of a copper vapor pumped dye laser (E), AO 16: 57

Bifluorophoric laser dyes with intramolecular energy transfer (A), JOSA 68: 1644

Birefringent filters for tuning flashlamp-pumped dye lasers: simplified theory and design (T), AO 17: 1944

Broad band exciplex dye lasers (P), AO 15: 834

Continuous wave flowing (P), AO 15: 1670

Continuous-wave (mode-locked) dye laser with unfolded cavity (E) (L), AO 18: 3212

Cyanine dye infrared lasers (P), AO 15: 582

Diffraction grating used to reject fluorescence from a tunable dye laser (E) (L), AO 14: 811

Double-wavelength electro-optically tuned synchronously pumped cw dye laser (E), OL 4: 245

Dye gain measurement technique based on spectral linewidth narrowing (A), JOSA 67: 1425

Dye laser emission in liquid crystal hosts (E), AO 18: 528

Dye lasers—a classified bibliography 1966-1972 (TE), AO 13: 25

Dye-laser scanning spectroscopy and fluorescence-quenching cross sections for the  $\text{B } ^3\Pi^+_{\text{g}}$  state of iodine (E), JOSA 66: 233

Dye Lasers. Edited by F. P. Schaefer (B), Reviewed by Weber, H. P., AO 14: 788

Dye Lasers. Edited by F. P. Schaefer (B), Reviewed by Howard, John N., AO 13: 1724

Dye Lasers. Edited by F. P. Schaefer (B), Reviewed by Keller, Richard A., JOSA 64: 1022

Early termination of flashlamp pumped dye laser pulses by shock wave formation, AO 13: 335

Efficient and stable laser dyes down to the near UV (A), JOSA 68: 1624

Efficient cavity dumped dye laser (ET), AO 17: 3268

Efficient oscillator-amplifier dye laser pumped by a frequency-doubled Nd: YAG laser (E), AO 18: 525

Electrochemical pumping of laser dyes (E), AO 16: 61

Electronically controlled digital laser (P), AO 17: 880

Electronically tuned pulsed dye laser (E), AO 16: 691

Electrooptic tuning of organic dye laser (P), AO 16: 539

Enhanced total reflection with surface plasmons (T), JOSA 69: 419

Fabry-Perot with short pulse lasers: spectral selection and spectral analysis in dye lasers (TE), AO 17: 451

Flash lamp pumped (P), AO 16: 2342

Fluorescence determination of low formaldehyde concentrations in air by dye laser excitation (E), AO 14: 310

Frequency-stable jet-stream dye laser (A), JOSA 64: 553

Generation of intense subnanosecond 0.58–0.80- $\mu\text{m}$  pulses with a flashlamp-pumped dye laser (E), AO 17: 2812

Graded-gain dye laser amplifiers: an experimental investigation (E), AO 14: 1311

Grazing incidence grating efficiencies (TE) (L), AO 18: 426

High-efficiency single-frequency cw ring dye laser (A), JOSA 68: 634

High-efficiency single-frequency cw ring dye laser (E), OL 4: 176

High energy pulsed dye lasers for atmospheric sounding (E), AO 18: 287

High-power TEM<sub>00</sub> tunable laser system (E), AO 18: 891

High-repetition-rate thin picosecond dye laser (A), JOSA 68: 1394

Holographic storage in  $\text{LiNbO}_3$  with a tunable pulsed laser source (A), JOSA 68: 1442

Independent tunability of the double-mode-locked cw dye laser (E), OL 4: 179

Intracavity dye laser spectroscopy as a gain probing technique (E), AO 15: 2372

Intracavity dye laser spectroscopy studies of the  $\text{Ba} + \text{N}_2\text{O}$ ,  $\text{Ca} + \text{N}_2\text{O} + \text{CO}$ , and  $\text{Sr} + \text{N}_2\text{O} + \text{CO}$  reactions (E), AO 16: 2102

Laser based on electrochemiluminescence (ET), AO 14: 1710

Laser with means for suppressing back-ground fluorescence in the output (P), AO 13: 5A26

Lasing characteristics of seventeen visible-wavelength dyes using a coaxial-flashlamp-pumped laser (E), AO 13: 2317

Linear pressure tuning of a multi-etalon dye laser spectrometer (E), AO 13: 1625

Linear scan control of tunable lasers using a scanning Fabry-Perot (E), AO 18: 1505

Mode-locked laser (P), AO 17: 681

Modulation transfer (P), AO 13: 214

Multiple dye stream laser (P), AO 14: 1757

Multiple scattering measurements as a function of wavelength by use of a dye laser (E) (L), AO 14: 268

Nanosecond pulse generation from a self-injected laser-pumped dye laser using a novel cavity-flipping technique (E), OL 3: 167

Nanosecond time-resolved spectroscopy with a pulsed tunable dye laser and single photon time correlation (E), AO 16: 1432

Narrow bandwidth dye laser suitable for pumping by a short pulse duration  $\text{N}_2$  laser (E), AO 15: 1083

Optoacoustic detection of  $\text{NO}_2$  using a pulsed dye laser (E), AO 16: 2972

Optoacoustic pulses in a flame (E), OL 1: 118

Photochemical stability of rare-gas halide laser-pumped dyes (E) (L), AO 16: 3079

Polarization of light from a pulsed dye laser (E), AO 17: 1012

Polarization of light from a pulsed dye laser: effects of solvent viscosity (ET), AO 18: 4112



Precision spectroscopy using frequency-controlled dye lasers (A), JOSA 68: 1411

Prepulse enhancement of flashlamp pumped dye laser (ET), AO 13: 2100

Prevention of fire damage due to exploding dye laser flashlamps (E) (L), AO 14: 1257

Pulsed dye laser applied to modulated spectroscopy magnetic circular dichroism (E), AO 15: 1158

Pulsed dye laser densitometry using an optical delay (E) (L), AO 16: 1132

Pulsed dye laser system for Raman and luminescence spectroscopy (E), AO 13: 1610

Pumped by frequency-doubled ruby (P), AO 15: 1669

Quadraxial high repetition rate adapter for coaxial flashlamp pumping of laser dyes (E) (L), AO 18: 602

Rapid acoustooptic tuning of a dye laser (ET), AO 13: 1395

Rapidly tunable laser (P), AO 15: 11

Refractive index excursions in pulsed high energy rhodamine 6G laser solutions (E) (L), AO 15: 2624

Reliable 90-W dye laser (A), JOSA 66: 1108

Rotary spark gap switching for high power dye lasers (E) (L), AO 13: 1998

Saturable absorber properties of a laser dye; stimulated propagation of the pump flux (T), AO 18: 536

Self-guiding flashlamp-pumped dye lasers (TE), AO 14: 79

Shifting of rhodamine dye-laser light into the blue-green (E) (L), AO 17: 3702

Short-cavity picosecond dye laser design (E), AO 18: 532

Simmer-enhanced flashlamp-pumped dye laser (E) (L), AO 18: 1131

Single-mode operation of grazing-incidence pulsed dye laser (ET), OL 3: 138

Small dye laser in a semiadjustable resonator pumped by an argon-jet guided spark (ET), AO 13: 2816

Spectrally narrow pulsed dye laser without beam expander (ET), AO 17: 2224

Spectral narrowing of a flash-lamp-pumped high-energy dye laser by two-stage injection locking (A), JOSA 68: 667

Subpicosecond pulse generation in a synchronously mode-locked cw rhodamine 6G dye laser (E), OL 2: 117

Subpicosecond pulse generation in a mode-locked cw dye laser with a slow saturable absorber (E) (L), AO 18: 3212

Synchronization of picosecond pulses at two independently tunable wavelengths (A), JOSA 67: 1425

Synchronous generation of independently tunable ultrashort pulses by double mode-locking of the cw dye laser (A), JOSA 68: 1394

Synchronously tuned laser transmitter and receiver (P), AO 15: 9

Tilted birefringent Fabry-Perot etalon for tuning dye lasers (TE), AO 15: 472

Transverse flow flashlamp pumped dye laser (E), AO 15: 1494

Transverse-flow laser cell and laser arrangement including the cell (P), AO 15: 2038

Transverse intensity modulation of a dye laser beam by optically pumped hyperfine levels of sodium vapor (A), JOSA 66: 1068

Transverse laminar flow dye laser cell (P), AO 15: 11

Tunable laser with birefringent crystal (P), AO 17: 2665

Tunable superradiant emission from a planar dye laser (E), AO 15: 2684

Tuning of a dye laser by a birefringent Fabry-Perot etalon (TE), AO 14: 917

Two-dimensional laser scanning system (P), AO 16: 2790

Two-wavelength double-pulse tunable dye laser for dial applications (A), JOSA 66: 387

Two-wavelength operation of a double-pass planar dye laser amplifier (E), AO 16: 1553

Ultrasensitive detection of Cs vapor by intracavity laser quenching (E), AO 13: 2297

Unstable resonator mode control in a transverse flow dye laser (ET), AO 17: 931

Variable frequency sweeping of a dye laser (E) (L), AO 16: 1133

Variation and control of pulse width and repetition rate from a passively mode-locked cw dye laser (A), JOSA 68: 1394

Versatile high-temperature high-pressure vapor cell design for electron beam excited laser studies (E), AO 17: 3491

Vortex stabilized flashlamps for dye laser pumping (ET), AO 13: 46

Wavelength shifts in tuning dye lasers (T), AO 15: 2678

Wavelength stabilization (P), AO 16: 2342

Wavelength-tunable subpicosecond pulse generation in cw synchronously mode-locked dye lasers (A), JOSA 67: 1424

100 W average power, flashlamp-pumped dye laser (A), JOSA 66: 386

## Lasers, GaAs

See also Lasers

Channelled substrate buried heterostructure (GaAl)As injection lasers (A), JOSA 66: 293

Channelled-substrate-planar structure  $\text{Al}_x\text{Ga}_{1-x}\text{As}$  lasers: an analytical waveguide study (T), AO 17: 3264

Channel optical waveguides and directional couplers in GaAs—imbedded and ridged (ET), AO 13: 327

Distributed-feedback buried-heterostructure diode laser (A), JOSA 66: 1114

Distributed-feedback double-heterostructure GaAs injection laser with fundamental grating (E) (L), AO 13: 2742

Distributed feedback GaAs homojunction injection laser (E) (L), AO 13: 1981

Embedded GaAs-GaAlAs heterostructure lasers (A), JOSA 66: 291

Flashlight-size external cavity semiconductor laser with narrow-linewidth tunable output (E), AO 14: 94

GaAlAs laser transmitter for optical-fiber transmission systems (A), JOSA 66: 391

GaAs double heterostructure lasers fabricated by wet chemical etching (A), JOSA 66: 292

GaAs-Ga<sub>1-x</sub>As<sub>x</sub> double-heterostructure injection lasers with distributed Bragg reflectors (A), JOSA 66: 292

GaAs laser array source package (E), OL 1: 40

GaAs laser diode pumped Nd:YAG laser (E) (L), AO 13: 2457

GaAs laser source package for multichannel optical links (A), JOSA 67: 708

GaAs twin-laser setup to measure mode and material dispersion in optical fibers (E), AO 13: 261

Gallium arsenide laser-array-on-silicon package (E), AO 17: 479

Influence of external mirror heating on the emission characteristics of GaAs-GaAlAs DH laser diodes (A), JOSA 67: 1424

Injection lasers (P), AO 15: 1670

*In situ* laser reflectance measurement of diffuse surfaces (E), AO 17: 2335

Integrated prism coupled room temperature double heterostructure GaAs:GaAlAs diode laser (A), JOSA 66: 1115

Junction lasers prepared by molecular-beam epitaxy operating continuously (cw) at a temperature as high as 100°C (A), JOSA 66: 290

Laser modes of heterojunction distributed-feedback diodes (A), JOSA 64: 1365

Lateral modes in wide GaAs-GaAlAs DH laser diodes (A), JOSA 67: 1424

Multiply-resonant distributed feedback lasers (A), JOSA 66: 291

Optical integrated circuit including junction laser with oblique mirror (P), AO 18: A224

Optically pumped GaAs waveguide lasers with Bragg reflectors (A), JOSA 66: 291

Parallel end-butt coupling of a GaAs laser diode and a thin-film waveguide (A), JOSA 66: 292

Progress in LEDs as signal sources (A), JOSA 67: 708

Pulsed GaAs laser terrain profiler, AO 17: 868

Recent developments in injection lasers (A), JOSA 66: 383

Room temperature cw GaAs and GaAlAs lasers (A), JOSA 66: 383

Room-temperature DFB GaAs diode lasers (A), JOSA 65: 1221

Single longitudinal mode operation of GaAs lasers (A), JOSA 67: 1424

Thermal performance and limitations of silicon-substrate packaged GaAs laser arrays (TE), AO 17: 778

## Lasers, gamma-ray

See also Lasers

Research problems in the development of gamma-ray lasers (A), JOSA 64: 556

X-ray and  $\gamma$ -ray laser studies at the Lawrence Livermore Lab (A), JOSA 64: 556

## Lasers, gas

See also Lasers

Broadband gas laser (P), AO 18: 1287

CF<sub>4</sub> laser oscillator-amplifier measurements: small signal gain and self-absorption (E), OL 4: 112

Computer Modeling of Gas Lasers. By Kenneth Smith and R. M. Thomson (B), Reviewed by Garside, B. K., AO 18: 1472

Configuration interaction effects on the odd parity levels of Si (T), JOSA 69: 525

Expander open cycle gas dynamic laser (P), AO 17: 681

Frequency stabilized with zero warm-up time (P), AO 16: 1813

Gas Dynamic Lasers: An Introduction. By John D. Anderson, Jr. (B), Reviewed by Quelle, Fred W., Jr.; Wood, Albert D., AO 16: 789

Gas Dynamic Lasers: An Introduction. John D. Anderson, Jr. (B), Reviewed by Wilson, Jack, JOSA 66: 1442

Gas laser (P), AO 13: 11A26

Gas laser (P), AO 15: 2037

High energy laser at 1.27  $\mu\text{m}$  possible (TE), AO 17: 3276

Integrated construction of low-cost gas lasers (E), AO 16: 2308

Introduction to Gas Lasers: Population Inversion Mechanisms. By C. S. Willett (B), Reviewed by Benard, D. J., AO 14: 2312

Linearly polarized via internal Brewster plate (P), AO 17: 681

Minimization of the prime power consumption of a coupling-modulated gas laser transmitter (T), AO 13: 2489

Negative glow discharge white laser (A), JOSA 67: 1424

Nuclear-pumped gas lasers (P), AO 16: 2594

Optically pumped collision laser in Hg at 546.1 nm (P), AO 16: 2790

Optical resonance pumped transfer laser with high multiline photon-to-single-line photon conversion efficiency (P), AO 18: 3501

Physics of Gas Lasers. By W. R. Bennett, Jr. (B), Reviewed by Howard, John N., AO 18: 3360

Pulsed gas laser (P), AO 18: 1287

Theoretical Problems in the Spectroscopy and Gas-Dynamics of Lasers. Edited by N. G. Basov (B), Reviewed by Walther, H., AO 17: 3514

Time variation of the concentration of helium metastable atoms in He-Kr<sup>+</sup> ion laser (E), JOSA 69: 175

X-ray preionized high-pressure gas lasers (A), JOSA 68: 668

## Lasers, glass

See also Lasers

Electro-optical device for conversion of tangential and radial polarization components to rectangular coordinate components (P), AO 13: 11A26

Unitary assembly (P), AO 13: 2960

## Lasers, HCl

See also Lasers

Measurement of HCl absorption coefficients with a DF laser (ET), AO 16: 97

Supersonic HCl chemical laser (A), JOSA 68: 652

## Lasers, HCN

See also Lasers

Electron density measurement in the HCN laser using Faraday mode splitting technique (E), AO 13: 968

## Lasers, He-Ne

See also Lasers

Absorption de la lumière d'un laser He-Ne par des pieges chrome-sulfure de zinc (E) (L), AO 13: 464

Beat frequency between two axial modes of a He-Ne laser with internal mirrors and its dependence on cavity Q (ET), AO 14: 2955

Detailed tube design (P), AO 13: 1251

Doubly resonant intracavity generation of second harmonic of 1153-nm radiation with stabilization on hyperfine structure components of <sup>127</sup>I<sub>2</sub> (E), AO 18: 3970



- Frequency determination of visible laser light by interferometric comparison with upconverted CO<sub>2</sub> laser radiation (E), AO 17: 1048
- Frequency stabilization of internal mirror He-Ne lasers in a transverse magnetic field (E) (L), AO 14: 2808
- Gas discharge laser (P), AO 18: 3947
- Gas laser with a laser capillary positioned in a discharge tube (P), AO 18: 1287
- Helium-neon laser stabilized by saturated absorption in iodine at 612 nm (E), AO 18: 1079
- Helium-neon laser stabilized on iodine: design and performance (E), AO 14: 1896
- Iodine stabilized laser with three internal mirrors (ET), AO 14: 1303
- Light intensity of the fundamental TEM<sub>00</sub> mode of a He-Ne gas laser without Brewster windows: achievement of a polarized rectilinear laser beam of stable intensity (E) (L), AO 13: 2771
- Low-power, low-cost He-Ne (A), JOSA 66: 386
- Mass produced (P), AO 15: 1670
- Phase locking of a multimode to a single-mode He-Ne laser (ET), OL 4: 202
- Single-mode collapse in 6328-Å He-Ne lasers (ET), AO 17: 2924
- Traveling-wave gas laser (A), JOSA 64: 553
- Tubular laser (P), AO 16: 539

## Lasers, HF

- See also Lasers
- Annular converging wave cavity (ET), AO 15: 2137
- Atmospheric transmission measurements at HF and DF laser wavelengths (E) (L), AO 15: 1115
- Beam quality measurements of Sandia's HF oscillator-amplifier chain (A), JOSA 68: 651
- Chain reaction pulsed HF laser: a simple model (T), AO 15: 2358
- Compact continuous HF microwave-discharge mixing laser (E), JOSA 65: 876
- Continuous-wave (F + H<sub>2</sub>) chemical lasers: a temperature-dependent analytical diffusion model (T), AO 15: 223
- Direct application of the fast Fourier transform to open resonator calculations (T), AO 13: 2326
- Effect of cavity transients and rotational relaxation on the performance of pulsed HF chemical lasers: a theoretical investigation (T), AO 14: 2960
- Effect of mixing rate on HF chemical laser performance (T), AO 13: 962
- Efficient model for HF lasers with rotational nonequilibrium (T), OL 3: 223
- Energy extraction and beam-quality measurements of a high-energy HF laser (A), JOSA 68: 549
- Energy extraction from an electron-beam-initiated HF amplifier (A), JOSA 68: 651
- Frequency stability associated with a cw HF laser (E), AO 15: 459
- HF laser spectral analysis using near-field holography (E), AO 16: 67
- High energy chemical laser system (P), AO 15: 2297
- In search of high *J* states—in HF(*v*) + M V → R transfers (A), JOSA 68: 655
- Laser measurements of HF linewidths (A), JOSA 68: 1402
- Line suppression and single line performance of a cw HF chemical laser (T), AO 15: 744
- Lorentz broadening in the modeling of the HF chemical laser (R), AO 16: 2297
- Multiple-selected-line unstable resonator (TE), AO 13: 2321
- Phase control of HF chemical lasers for coherent optical recombination (T), AO 18: 1322
- Photoacoustic measurements of surface and bulk absorption in HF/DF laser window materials (ET), AO 16: 2919
- Photoinitiated F<sub>2</sub> + H<sub>2</sub>/D<sub>2</sub> chain reaction laser (A), JOSA 66: 1109
- Pulsed HF laser holographic interferometry (E), AO 14: 628
- Residual absorption in HF and DF laser window materials from contamination by carbonaceous and other impurities (A), JOSA 67: 204
- Rotational nonequilibrium mechanisms in pulsed H<sub>2</sub> + F<sub>2</sub> chain reaction lasers. 1: Effect on gross laser performance parameters (T), AO 17: 2369
- Rotational population transfer in HF (A), JOSA 68: 655
- Rotational relaxation in a line-selected continuous HF chemical laser (T), AO 14: 1713
- Simplified anomalous dispersion model for HF chemical lasers (A), JOSA 69: 1458
- Some salient features of a double discharge HF chemical laser using SF<sub>6</sub> and C<sub>3</sub>H<sub>8</sub> mixture (A), JOSA 68: 674
- Surface and bulk absorption in HF/DF laser window materials (A), JOSA 67: 253
- Vibrational relaxation rate of HF(2) by HF (T) (L), AO 15: 28
- Water vapor absorption coefficients at HF laser wavelengths (2.64-2.93 μm) (ET), AO 18: 1582

## Lasers, HF/DF

- Determination of vibration-rotation line strengths for HF and DF by use of an HF/DF cw laser (E), JOSA 64: 1162

## Lasers, holmium

- See also Lasers
- Holmium 2.06-μm laser spectral characteristics and absorption by CO<sub>2</sub> gas (E) (L), AO 14: 16
- Spectral characteristics and atmospheric CO<sub>2</sub> absorption of the Ho<sup>3+</sup>:YLF laser at 2.05 μm (E) (L), AO 15: 865

## Lasers, infrared

- See also Lasers
- Additional cw FIR laser lines from optically pumped CH<sub>3</sub>F<sub>2</sub> (E), OL 4: 277
- Assignment of methyl alcohol submillimeter laser transitions (TE), OL 3: 232
- Atomic bromine electronic-transition chemical laser (E), OL 4: 1
- Broadly tunable lasers for the near infrared (A), JOSA 66: 1109
- Calibration of the absorption spectra at 14-15 μm obtained with a tunable diode laser (E) (L), AO 15: 2973
- Capacitive-mesh output couplers for optically pumped far-infrared lasers (E), OL 3: 13
- CF<sub>4</sub> laser oscillator-amplifier measurements: small signal gain and self-absorption (E), OL 4: 112
- Color-center laser generates picosecond pulses and several watts cw over the 1.24-1.45-μm range (E), OL 4: 247
- Continuous-wave action of (F<sub>2</sub><sup>+</sup>)<sub>inf</sub> centers in sodium-doped KCl crystals (E), OL 4: 390
- Continuous-wave laser oscillation with extended tuning range in F<sub>A</sub>(II)-F<sub>B</sub>(II) color-center crystals (E), OL 4: 387
- Contribution of multiple reflections to thermal runaway in germanium (T) (L), AO 18: 3880
- Dielectric enhanced mirrors for IR lasers (A), JOSA 69: 1438
- Dye laser pumped atomic iodine laser (A), JOSA 68: 670
- Dye-like lasers for the 0.9-2-μm region using F<sub>2</sub><sup>+</sup> centers in alkali halides (E), OL 1: 164
- Dynamic Stark tuned far-infrared lasers in Rb (A), JOSA 68: 669
- Efficient frequency shifting of infrared lasers (A), JOSA 68: 635
- Extinction coefficient of the R<sub>1/2</sub>(25/2) NO transition at the 8-7 P(11) CO laser line (E) (L), AO 18: 597
- Far-infrared CH<sub>3</sub>F Stark laser (E), OL 4: 9
- Far infrared laser resonator for TEM<sub>00</sub> mode operation (E) (L), AO 17: 1488
- Far-infrared laser system for detection of defects in polyethylene-insulated power cables (E), OL 2: 42
- Far infrared optical constants of liquid water measured with an optically pumped laser (E) (L), JOSA 69: 1723
- Far-infrared studies in epitaxial films of III-V and IV-VI semiconductors (E), JOSA 67: 939
- Far IR laser with metal-dielectric waveguide to observe the Stark effect (E) (L), AO 15: 2023
- Fast infrared laser detector using surface ionization (A), JOSA 68: 1442
- Frequency measurement of the formic acid laser 311-μm line (E) (L), AO 18: 1704
- High energy laser at 1.27 μm possible (TE), AO 17: 2276
- High performance at new FIR wavelengths from optically pumped CH<sub>2</sub>F<sub>2</sub> (E), OL 4: 280
- High-power 16 μm generation by stimulated Raman scattering of iodine laser radiation (A), JOSA 68: 1624
- High power 12.08 μm NH<sub>3</sub> laser (A), JOSA 68: 672
- High-pressure self-sustained glow discharge lasers operating at high specific power loadings (A), JOSA 68: 673
- High resolution spectral measurement of the HNO<sub>3</sub> 11.3-μm band using tunable diode lasers (ET), AO 17: 91
- High speed frequency modulation of far infrared lasers using the Stark effect (E), AO 16: 1893
- Hole-boring in clouds by high-intensity laser beams (T), AO 16: 2974
- Infrared laser-induced unimolecular reactions (A), JOSA 68: 638
- Infrared lasers (A), JOSA 68: 673
- Infrared pulse contours obtained with an inexpensive detector (E), AO 17: 308
- Infrared tunable laser (P), AO 13: 1251
- Isotope-selective dissociation of the OsO<sub>4</sub> molecule by two pulses of infrared radiation at different frequencies (E), OL 1: 22
- 0.1 J CF<sub>4</sub> laser operating in the 16 μm region (A), JOSA 68: 672
- Kilometer-path low-temperature multiple-reflection cell for laser spectroscopy using tunable semiconductor diodes (E), AO 17: 2511
- Laser-induced mass spectrometry (P), AO 18: 3488
- Laser pumped (P), AO 15: 2297
- 16 μm generation by CO<sub>2</sub> pumped rotational Raman scattering in H<sub>2</sub> (A), JOSA 68: 1393
- 16 μm generation by CO<sub>2</sub>-pumped rotational Raman scattering in H<sub>2</sub> (A), JOSA 68: 1622
- 16-μm generation by CO<sub>2</sub>-pumped rotational Raman scattering in H<sub>2</sub> (E), OL 3: 144
- 16 μm generation from four-wave mixing in germanium (A), JOSA 68: 1639
- Multiphoton dissociation of dimers by infrared laser irradiation (A), JOSA 68: 638
- Observation of intracavity polarization modulation in an optically pumped far-IR laser (E) (L), AO 18: 3717
- Optical absorption in KCl and NaCl at infrared laser wavelength (E) (L), AO 17: 1679
- Optical down conversion of 10 μm radiation to the 16 μm range (A), JOSA 68: 671
- Optically pumped CD<sub>3</sub>F submillimeter-wave laser (E), OL 4: 384
- Optically-pumped isotopic CF<sub>4</sub> lasers (A), JOSA 68: 671
- Optically pumped waveguide lasers (R), JOSA 67: 952
- Performance characteristics of single point diamond machined metal mirrors for infrared laser applications (E), AO 13: 2647
- Picosecond infrared-continuum generation by three-photon parametric amplification in LiNbO<sub>3</sub> (ET), OL 4: 357
- Polarization beam splitters for pumping of F II-center lasers (E), OL 4: 68
- Present and future problems concerning lasers in the far-infrared spectral region (R), JOSA 67: 894
- Profile measurements of CH<sub>4</sub> saturated absorption using CH<sub>4</sub> stabilized laser spectrometer (A), JOSA 68: 1403
- Proposed far-infrared laser (A), JOSA 64: 554
- Q-switched and mode-locked laser (P), AO 13: 1252
- Radiance enhancement of the 16-μm CF<sub>4</sub> laser (E), OL 3: 97
- Recombination lasers in Nd and CO<sub>2</sub> laser-produced cadmium plasmas (E), OL 4: 271
- Scaling laws for cw 337-μm HCN waveguide lasers (E), AO 15: 3047
- Selective photochemistry in an intense infrared laser field (A), JOSA 65: 1173
- Single-crystal electrooptic thin-film waveguide modulators for infrared laser systems (E), AO 13: 2529
- Spectroscopy of the CF<sub>4</sub> laser (E), OL 4: 274
- Submillimeter-far-infrared spectroscopy in the liquid and solid states with a tunable optically pumped laser (E), JOSA 67: 911
- Synchronous, mode-locked pumping of gas lasers (ET), OL 4: 6
- Tunable infrared lasers and their applications (A), JOSA 66: 1079
- Waveguides for submillimeter-wave lasers (R), JOSA 67: 959

## Lasers, junction

See also Lasers



Micro lenses for coupling junction lasers to optical fibers (E), AO 13: 89

## Lasers, krypton

See also Lasers

Power, divergence, and stability factors affecting the use of a krypton laser as a multispectral illumination source (A), JOSA 64: 553

## Lasers, neodymium

See also Lasers

Active imaging system: a long range scanned laser (E), AO 15: 1284

Air Force 1-GBPS space-borne optical communications system (A), JOSA 66: 388

A 1-J high-brightness frequency-doubled Nd:YAG laser (E), AO 17: 927

Argus laser system: performance summary (E), AO 17: 999

Beam diagnostic package for the Omega/Zeta laser system (A), JOSA 68: 1363

Calorimetric measurements of stimulated emission cross sections and absorption coefficients at 1.06  $\mu\text{m}$  (ET) (L), AO 16: 1484

Cavity-dumping single mode-locked pulses from a Nd:YAG laser (E) (L), AO 15: 2623

Closure phenomena in pinholes irradiated by Nd laser pulses (ET), AO 18: 2495

Contacted modelocking-dye cell (E) (L), AO 17: 3706

Continuous frequency scanning of a stabilized single-mode Q-switched Nd<sup>3+</sup>: glass laser (E) (L), AO 18: 141

Continuous-wave operation of Nd:YVO<sub>4</sub> at 1.06 and 1.34  $\mu\text{m}$  (A), JOSA 65: 1207

Continuous wave oscillation of Nd:phosphate glass laser (A), JOSA 68: 631

Design, construction, and initial performance of Argus. A two-beam laser irradiation facility (A), JOSA 66: 388

Determination of optical cross sections by the measurement of saturation flux using laser-pumped laser oscillators (TE), JOSA 68: 1575

Distributed aperture effect in laser rods with negative lenses (T), AO 17: 1537

Dynamic properties of mode-locked Nd<sup>3+</sup>: glass laser radiation (A), JOSA 64: 1359

Efficient LiNdP<sub>4</sub>O<sub>12</sub> lasers pumped with a laser diode (E) (L), AO 18: 3882

Enhanced laser pumping by auxiliary luminescent centers (P), AO 18: 1287

Evaluation of new neodymium glasses for fusion laser amplifiers (A), JOSA 66: 388

GaAs laser diode pumped Nd:YAG laser (E) (L), AO 13: 2457

Generation of high-power nanosecond pulses from a Q-switched Nd:YAG oscillator using intracavity-injecting technique (E), OL 4: 372

Glasses with a large laser effect: Nd-phosphate and Nd-fluorophosphate (E), AO 17: 2228

High-accuracy satellite laser ranging system (A), JOSA 66: 380

High-efficiency degenerate four-wave mixing of 1.06- $\mu\text{m}$  radiation in silicon (E), OL 4: 328

High-energy diffraction-limited unstable resonator Nd:YAG laser source (A), JOSA 66: 1133

High input power laser device (P), AO 18: 3937

High peak power output, high PRF by cavity dumping a Nd:YAG laser (ET), AO 15: 466

High performance avalanche transistor switchout for external pulse selection at 1.06  $\mu\text{m}$  (E), AO 17: 3184

High-performance laser (A), JOSA 66: 384

High power Nd:glass laser for fusion applications (E), AO 13: 2081

High power output stages of a Nd:glass laser system for fusion applications (E), AO 15: 1450

Host glasses and structures (P), AO 13: 1727

Implications regarding predictive laser design derived from studies of the laser states of Nd:YVO<sub>4</sub> (A), JOSA 66: 1108

Knife-edge profiling of Q-switched Nd:YAG laser beam and waist (E) (L), AO 18: 599

Krypton-pumped YAG laser for optical communications (A), JOSA 66: 384

Laser beam distribution in the focal region (E) (L), AO 17: 2673

Laser cross sections of neodymium materials determined by laser-pumped-laser cw oscillators (A), JOSA 68: 1388

Laser pumping cavity with polycrystalline powder coating (P), AO 16: 2789

Laser resonator: electrooptically Q-switched Porro prism device (TE), AO 15: 1942

Lasing and fluorescence in K<sub>5</sub>NdLi<sub>2</sub>F<sub>10</sub> (A), JOSA 68: 630

Liquid cladding for face-pumped Nd:glass lasers (ET) (L), AO 13: 699

Low-threshold transversely excited NdP<sub>5</sub>O<sub>14</sub> laser (E), AO 15: 1444

Measurement of fast process using transient grating methods (A), JOSA 66: 1074

Miniature of Nd<sup>3+</sup> lasers and 1.3  $\mu\text{m}$  (A), JOSA 68: 631

Multiphoton dissociation of molecules by direct excitation of the stretching mode (A), JOSA 68: 639

Nd:YAG long lasers (ET), AO 13: 1387

Negative-branch unstable resonator Nd:YAG laser (E), AO 15: 1465

Neodymium-doped fiber lasers: room temperature cw operation with an injection laser pump (E) (L), AO 13: 1256

New glasses for neodymium fusion lasers (A), JOSA 68: 1393

Operation of a mode-locked Nd:YAG oscillator at 1.052  $\mu\text{m}$  (E), AO 18: 3975

Optical parametric oscillator threshold and linewidth studies (A), JOSA 68: 1395

Parasitic suppression in large aperture Nd:glass disk laser amplifiers (T), AO 13: 2808

Passively mode-locked unstable Nd:YAG oscillator (E) (L), AO 18: 600

Picosecond-pulse, fieldable frequency-doubled Nd:YAG laser system for ultraprecision ranging (A), JOSA 66: 380

Picosecond pulse stacking in calcite (ET) (L), AO 18: 947

Power-limited glass amplifiers: an optimized design (T), AO 15: 2172

Precision laser beam-shaping apertures (A), JOSA 66: 388

Properties of an epitaxially grown YAG:Nd<sup>3+</sup> waveguide laser (A), JOSA 66: 288

Properties of Nd:La<sub>2</sub>Be<sub>2</sub>O<sub>5</sub> laser crystals (A), JOSA 66: 384

Pulse compression in mode-locked lasers using intracavity self-phase modulation (A), JOSA 66: 1074

Q-switched and mode-locked laser (P), AO 13: 1252

Q-switched Nd<sup>3+</sup> glass laser of variable temporal coherence (E), AO 13: 1071

Resonant-mode analysis of single-mode face pumped lasers (TE), AO 16: 1067

Resonator configuration for the suppression of relaxation oscillations in a long-pulsed Nd:YAG laser (E), AO 18: 1328

Self-contained LED-pumped single-crystal Nd:YAG fiber laser (A), JOSA 67: 708

Short-pulse studies of the photolysis of nitromethane (A), JOSA 68: 639

Single-crystal fiber-optical devices: a Nd:YAG fiber laser (A), JOSA 65: 1221

Space Nd:YAG laser-lamp studies (A), JOSA 64: 521

Spectroscopic studies and analysis of the laser states of Nd<sup>3+</sup> in YVO<sub>4</sub> (ET), JOSA 66: 1405

Stable LiNdP<sub>4</sub>O<sub>12</sub> miniature laser (E), AO 18: 884

Stimulated Raman threshold measurements in H<sub>2</sub> gas using a single axial mode Q-switched Nd:YAG laser (A), JOSA 68: 1395

Study of Nd:YAG in the relaxation oscillator mode (A), JOSA 69: 1464

Time-sharing two frequency laser (P), AO 15: 10

Wide-band tunable continuous Nd:YAG laser (A), JOSA 64: 553

## Lasers, nitrogen

See also Lasers

Capacitor modification for the Schenck-Metcalf nitrogen laser (E) (L), AO 17: 3525

Capacitor modification to the Schenck and Metcalf N<sub>2</sub> laser (E) (L), AO 15: 2953

Ceramic capacitor failures in nitrogen lasers: a solution (E) (L), AO 16: 3077

Charge transfer pumping of the helium-nitrogen laser in an electrical avalanche discharge at atmospheric pressures (A), JOSA 68: 716

Direct nuclear pumped laser (P), AO 18: 1287

High-power nitrogen laser engineering and manufacturing (A), JOSA 66: 386

High spatial resolution schlieren photography (E), AO 16: 473

Improvements to a home-built nitrogen laser (E), AO 17: 774

Increasing the brightness of a superradiant UV nitrogen laser (E) (L), AO 18: 425

Interferometry using subnanosecond pulses from TEA nitrogen lasers (E), AO 14: 2250

Low threshold coaxial N<sub>2</sub> laser with a resonator (E) (L), AO 13: 1759

Nitrogen laser using discrete ceramic capacitors in a Blumlein-type circuit (A), JOSA 66: 386

Optically pumped laser using N<sub>2</sub>O mixed with energy-transferring CO<sub>2</sub> (P), AO 15: 10

Pulsed UV nitrogen laser: dynamical behavior (TE), AO 15: 756

Pulsed UV nitrogen laser: its intensity and linewidth (TE) (L), AO 15: 1117

Spectroscopic analysis of the transverse excited C<sup>3</sup>Π<sub>g</sub> → B<sup>3</sup>Π<sub>g</sub> (0-0) UV laser band of N<sub>2</sub> at room temperature, AO 17: 3081

Spectroscopic analysis of the transverse excited C<sup>3</sup>Π<sub>g</sub> → B<sup>3</sup>Π<sub>g</sub> (0-0) UV laser band of N<sub>2</sub> at room temperature: comments (ET) (L), AO 18: 1705

Superfluorescent laser with improved beam divergence and spatial brightness (P), AO 17: 1468

## Laser speckle

See Coherence, Speckle patterns

## Lasers, plasma

See also Lasers

Atmospheric pressure induction plasma laser (P), AO 13: 2735

## Lasers, semiconductor

See also Lasers

Distributed-feedback coupling in Ga<sub>1-x</sub>Al<sub>x</sub>As double-heterostructure lasers: effect of aluminum concentration (T), AO 14: 2199

Distributed feedback semiconductor lasers (A), JOSA 66: 288

Light emitting diode (P), AO 15: 1889

Low-frequency noise characteristics of Pb-salt semiconductor lasers (E), AO 18: 1088

3M electron beam laser (A), JOSA 66: 389

Nonlinear effects in cw single-mode heterostructure semiconductor lasers (A), JOSA 69: 1482

Semiconductor laser (P), AO 15: 10

Semiconductor laser conference, Atlanta, 18-20 Nov 1974 (N), AO 13: 1651

Semiconductor laser conference, 4th IEEE international, Atlanta, 18-20 Nov 1974 (M), Reported by Dumke, W. P., AO 14: 555

Semiconductor laser having fundamental lateral mode selectivity (P), AO 18: A113

Semiconductor laser with a thin active layer (greater than 0.1  $\mu\text{m}$ ) for optical communications (E), AO 17: 311

Semiconductor laser to integrated optics coupling using transition waveguides (A), JOSA 66: 289

Semiconductor stack (P), AO 16: 539

## Lasers, ultraviolet

See also Lasers

Absorption measurements in rare-gas halogen lasers (A), JOSA 69: 1449

Ar<sub>2</sub>, XeO, and ArO emissions from liquid argon hosts: spectra and kinetics (A), JOSA 68: 705

Beam divergence of vacuum ultraviolet lasers (A), JOSA 66: 1098

Broadly tunable UV-source based on stimulated Raman scattering (A), JOSA 68: 1626

Coherent radiation in the Lyman- $\alpha$  spectral region (A), JOSA 68: 702

Coherent two-photon resonant third- and fifth-harmonic generation in metal vapors (A), JOSA 68: 676

Coherent UV sources for photoelectron microscopy (A), JOSA 66: 1098

Computer controlled cw visible-UV laser spectrometer (A), JOSA 68: 1357

Continuous high-power UV ion laser (A), JOSA 66: 1098

Continuous 6 watt Ne II-UV-laser (A), JOSA 68: 703

Continuous wave ultraviolet sources in the 200-400 nm region (A), JOSA 68: 1355

Discharge-pumped rare-gas halide lasers (A), JOSA 66: 1100

Electronic material processing using UV laser photochemistry (A), JOSA 69: 1461

Excimer excitation of lasers via bound-free and free-bound transitions (A), JOSA 69: 1449

Experimental and theoretical studies of a short-wavelength charge exchange laser (A), JOSA 66: 1098



Experiments with a sustained discharge mercury halide laser (A), JOSA 68: 706

Extended plasma source for short-wavelength amplifiers (E), OL 3: 40

Extension of 3p yields 3s ion lasers into the vacuum ultraviolet region (TE), AO 14: 97

Forbidden transition selenium atom photodissociation lasers (A), JOSA 68: 711

Gain at 600 Å (A), JOSA 68: 706

Generation of coherent radiation at 38 and 53 nm using high-order optical nonlinearities (A), JOSA 67: 251

High pulsed power and high average power rare-gas-halogen lasers (A), JOSA 66: 1099

High-repetition-rate rare-gas-halide lasers (A), JOSA 68: 1355

High-resolution laser spectroscopy in the vacuum ultraviolet (A), JOSA 68: 677

Hollow cathode lasers (A), JOSA 66: 1100

Intense laser action of XeCl, KrCl, and XeBr in large-volume electric discharges (A), JOSA 68: 704

Kinetics studies of proton excited Ar-F<sub>2</sub> mixtures (A), JOSA 68: 716

Laser excited by radial E-beam (P), AO 17: 2666

Laser oscillation on the 2580 Å band system of molecular chlorine (A), JOSA 68: 1356

Lasers for photoelectron microscopy (A), JOSA 68: 1356

Light-induced collisional energy transfer (A), JOSA 68: 713

Mirrors, windows, and coatings for high-power ultraviolet lasers (A), JOSA 68: 1393

Molecular ionization by absorption of spontaneous emission (T), OL 2: 154

Noble gas hydroxide exciplexes (A), JOSA 68: 715

Noble-gas vacuum-ultraviolet lasers (A), JOSA 64: 556

Nonlinear-optical techniques for the generation of ultraviolet, vacuum-ultraviolet, and soft-x-ray radiation (A), JOSA 64: 556

Ocular hazard from UV laser exhibiting self-mode-locking (E) (L), AO 17: 1482

Optical pumping studies of Hg<sub>2</sub> (A), JOSA 66: 1098

Preferred and photoinduced charge transfer (A), JOSA 68: 703

Proton beams: efficient pumps for UV and visible lasers (A), JOSA 68: 1355

Raman pulse compression (A), JOSA 69: 1449

Reactive quenching of Hg(<sup>3</sup>P<sub>1</sub>) atoms by chlorine and bromine containing molecules (A), JOSA 68: 1356

Review of ultraviolet lasers (A), JOSA 68: 1355

Saturation effects in the generation of coherent XUV radiation (A), JOSA 68: 703

Series of stepwise tunable lasers (P), AO 18: 1287

Short-wavelength laser calculations for electron pumping in carbonlike and heliumlike ions (T), JOSA 67: 480

Spectroscopic analysis of the transverse excited C<sup>3</sup>Π<sub>u</sub> → B<sup>3</sup>Π<sub>g</sub> (0-0) UV laser band of N<sub>2</sub> at room temperature, AO 17: 3081

Spectroscopic analysis of the transverse excited C<sup>3</sup>Π<sub>u</sub> → B<sup>3</sup>Π<sub>g</sub> (0-0) UV laser band of N<sub>2</sub> at room temperature: comments (ET) (L), AO 18: 1705

Spectroscopic studies of electron-beam-pumped Ar-N<sub>2</sub> laser characteristics (A), JOSA 68: 1356

Spectroscopy and kinetics of mixed rare-gas ions (A), JOSA 68: 704

Studies of electronically excited Hg<sub>2</sub> for use as a laser storage medium (A), JOSA 68: 711

Terbium molecular vapor laser and kinetics experiments (A), JOSA 68: 712

Tunable, coherent radiation in the Lyman-α region [1210-1290 Å] using magnesium vapor (E), OL 3: 207

Tunable harmonic radiation in the Lyman α region (1200-1300 Å) using magnesium vapor (A), JOSA 68: 677

Ultraviolet solid-state Ce:YLF laser at 325 nm (E), OL 4: 184

Vacuum-ultraviolet laser and interstellar space flight (A), JOSA 64: 531

XeF ground-state dynamics in a laser discharge (A), JOSA 68: 1356

## Lasers, windows

See also Lasers, Windows

Infrared vidicon technique for measuring thermal lensing from laser windows (E) (L), AO 13: 726

Optical response of high-power laser windows—ultrashort pulse regime (T), AO 13: 1141

## Lasers, xenon

See also Lasers

Efficient high-power Xe and Xe-rare-gas-mixture lasers (A), JOSA 64: 557

Ionic assignment of xenon laser lines (E) (L), JOSA 66: 152

Very long lasers (E), AO 13: 379

## Lasers, x-ray

See also Lasers

Experimental attempts to confirm x-ray lasing from CuSO<sub>4</sub> (E) (L), AO 13: 453

Intensity requirements in X-ray holography at 1 Å (T) (L), AO 16: 525

Laser induced energy transfer—an approach to the x-ray laser problem (A), JOSA 68: 675

Li-like model that explains some aspects of the Utah x-ray laser experiments (A), JOSA 64: 557

Nonlinear-optical techniques for the generation of ultraviolet, vacuum-ultraviolet, and soft-x-ray radiation (A), JOSA 64: 556

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Production of coherent x-ray and gamma-ray emissions (P), AO 14: 1756

Proposed distributed feedback crystal cavities for x-ray lasers (T) (L), AO 14: 14

Quasi-stationary population inversion on K<sub>α</sub> transitions (TE), AO 14: 2243

Short-wavelength laser calculations for electron pumping in carbonlike and heliumlike ions (T), JOSA 67: 480

Soft x-ray gain in the alkali earths (T), AO 16: 83

Superradiance and laser lethargy in x-ray laser amplifiers (A), JOSA 65: 1206

Theoretical model explaining some aspects of the Utah x-ray laser experiments (TE) (L), AO 13: 695

Use of amplified spontaneous emission as a diagnostic for gain in an x-ray laser experiment (A), JOSA 67: 1436

X-ray and γ-ray laser studies at the Lawrence Livermore Lab (A), JOSA 64: 556

## Lead

Absorption spectrum of Pb I between 1350 and 2041 Å (E), JOSA 67: 1240

Interferometric measurement of Pb II spectrum (ET), JOSA 64: 1159

Series limit and hydrogenlike series in PbII (TE), JOSA 66: 36

## Lead-lanthanum titano-zirconate (PLTZ)

See also Electrooptics, PLTZ

Electrooptic switching response in cubic phase PLTZ ceramic materials (ET) (L), AO 15: 828

Holographic storage and photoconductivity in PLTZ ceramic materials (TE), AO 15: 1550

PLTZ electrooptic shutters: applications (E), AO 14: 1866

## Lens design

See Optical design

## Lenses

See also Optical systems, Photography, and specific applications

Aberration-corrected rounded-edge geodesic lenses (T), JOSA 69: 1242

Absorptions of curved zone plates and Fresnel lenses (T), AO 16: 1701

Accelerating convergence in automatic lens design (T), AO 18: 4191

Achromatic triplet using holographic optical elements (T), AO 16: 1390

Afocal front attachment for zoom objective (P), AO 18: 749

Anamorphic combined with a 10:1 zoom lens (P), AO 15: 1671

Anamorphic scanner lens system (P), AO 18: 259

Apochromatic objective (P), AO 17: 1472

Apparatus for the enlarged representation of the cross-section of non-destructed contact lenses (P), AO 14: 1042

Aspherical axially symmetric geodesic lenses for integrated optics (A), JOSA 66: 1115

Aspheric plastic triplet (P), AO 18: A170

Astronomical tele-objective (P), AO 14: 1456

Atmospheric lens of the Grace Flandrau Planetarium (A), JOSA 66: 1113

Beam modes in complex lenslike media and resonators (T), JOSA 66: 1373

Behind-stop type compact photographic lens system (P), AO 15: 2948

Biocular magnifying lenses of high aperture and covering a wide field (P), AO 15: 1671

Biprism and cylindrical lenses to convert Gaussian beam into a uniform one (P), AO 18: 3358

Blocking plastic lenses for surfacing (P), AO 18: 3966

Camera lens system with means for correcting aberrations (P), AO 14: 1458

Camera objective of variable focal length (P), AO 18: 749

Cassegrain-type catadioptric system at aperture f/1.28 covering a ±5° field (P), AO 18: 2542

Catadioptric relay lens (P), AO 17: 1471

Catadioptric wide-angle system for copying (P), AO 18: A206

Cathode ray tube projection lens (P), AO 15: 835

Catoptric arrangement (P), AO 16: 1815

Catoptric lens arrangement (P), AO 14: 1241

Caustic analysis for a gradient index lens (A), JOSA 69: 1429

Characteristics of Persons with Corrective Lenses, United States, 1971 (B), JOSA 65: 470

Climb: a new Los Alamos Scientific Laboratory lens design code (ET), AO 15: 2583

Close-up imaging of documents and displays with lens arrays (E), AO 18: 477

Compact 5-element telephoto lens covering ±10° at f/2.8 (P), AO 18: 2606

Compact five-element objective covering ±28° at f/2.8 (P), AO 18: 3255

Compact f/4 zoom lens covering a focal-length range of 70 mm to 200 mm (P), AO 18: 749

Compact large-aperture photographic lens system with long back focal length (P), AO 18: 2091

Compact lens system having a long back focal length and a large relative aperture (P), AO 16: 1816

Compact reversed telephoto, covering ±32° at f/2 (P), AO 16: 2343

Compact three component objective lenses (P), AO 14: 1458

Compact varifocal lens assembly (P), AO 15: 835

Compact 12:1 zoom lens focusable to near distance (P), AO 18: A114

Comparison of curvatures and lens bendings as variables for computer-aided lens optimization (A), JOSA 69: 1408

Complex TV zoom lens focusable on near distance (P), AO 18: A115

Complicated pin-and-slot mechanism for a zoom lens (P), AO 18: 750

Composite four-element lens system, particularly for use with laser beams (P), AO 18: 2091

Composite Fresnel lens assembly (P), AO 16: 1815

Conductively cooled catoptric lens arrangement (P), AO 14: 1458

Contact Lens Practice, Hard and Flexible Lenses, Second Edition. By Robert B. Mandell (B), Reviewed by Sullivan, Charles T., JOSA 65: 859

Copying lens for microfilm photography (TE), AO 13: 2067

Copying normally used at unit magnification but can be changed (P), AO 14: A104

Copying objective lens system (P), AO 18: 2091

Copying with variable magnification lens assembly having two add-lenses (P), AO 14: 1747

Corrected optical system for shallow camera or the like, components thereof (P), AO 14: 1458

Cylindrical lens as an optical correlator (A), JOSA 69: 1451

Describing holographic optical elements as lenses (T), JOSA 67: 803

Design and evaluation of office copier lenses (A), JOSA 64: 256



- Design of a new five-element Cooke triplet derivative (T), AO 18: 3933
- Design of gradient-index singlets (T), JOSA 64: 846
- Design study of a panoramic lens system for visual simulation (A), JOSA 66: 79
- Design techniques for forming 488 nm holographic lenses with reconstruction at 633 nm (A), JOSA 68: 1443
- Design techniques for forming 488-nm holographic lenses with reconstruction at 633 nm (TE), AO 18: 2418
- Determining the refractive index profile of a lenslike medium (TE), JOSA 67: 1672
- Device to stop lens motion at predetermined points (P), AO 14: 2039
- Digital wavefront measuring interferometer for testing optical surfaces and lenses (ET), AO 13: 2693
- Diopeters and eigenvalues (TE) (L), AO 15: 1691
- Double Gauss of exceptionally high aperture and a wide field (P), AO 13: 2960
- Double Gauss type covering  $\pm 23^\circ$  at  $f/1.4$  (P), AO 14: 1747
- Drift delay line for dispersion compensation in fiber optics (P), AO 14: 1241
- Dual imaging concentric optics (P), AO 14: 1459
- Effect of bending on the power and longitudinal axial aberration of soft contact lenses (A), JOSA 67: 1395
- Effects of edge-rounding on geodesic lenses (T), AO 15: 2817
- Electro-optical variable focal length lens using optical ring polarizer (P), AO 15: 325
- Electrostatic Lenses. By E. Harting and F. H. Read (B), Reviewed by Claus, Albert C., AO 16: 8
- Eleven element wide-angle  $f/2$  lens, suitable for  $f=24$  mm (P), AO 18: 4005
- Encircled energy for obscured aperture (A), JOSA 64: 1357
- Endoscope optical system (P), AO 18: A213
- Endoscope single-lens reflex optical system (P), AO 18: A213
- Equivalent passband of perfect lens (T) (L), JOSA 64: 730
- Evaluation of a dual-axis holographic lens (A), JOSA 64: 1381
- Extra wide angle of the reversed telephoto type, covering  $\pm 94.5^\circ$  at  $f/3.3$  (P), AO 14: 1747
- Extremely high speed objective (P), AO 18: 2091
- Fabrication conditions for reducing aberration of plastic focusing lens (A), JOSA 69: 1404
- Fascetted for use in making color television tubes (P), AO 13: 2961
- Fast automatic lens testing for extended-field image quality (ET), AO 15: 805
- Festschrift Dr. H. C. L. Bertele zu seinem 75. Geburtstag. (B), Reviewed by Howard, John N., AO 16: A12
- Fish-eye,  $f/4$  with a back focus equal to 4.8 focal lengths (P), AO 16: 2342
- Fisheye having an aperture of  $f/3.5$  (P), AO 14: 1747
- Five component microscope eyepiece (P), AO 15: 832
- Five element, focused by moving element no-3 (P), AO 15: 2296
- Five-element  $f/2.8$  reversed telephoto lens covering  $\pm 31^\circ$  (P), AO 18: 2606
- Five or six element rear conversion lens to double focal length and  $f$ -number of a camera objective (P), AO 18: 3255
- Fog penetrating viewing system (P), AO 15: 1671
- Four element plastic camera objective (P), AO 17: 1472
- Fourier transform lens: a misnomer (L), AO 13: 2747
- Fresnel aspheric lens (P), AO 14: 1457
- Fresnel lens scatter plate for data reduction holography (P), AO 13: 2177
- Fresnel optical systems having echelons on at least one of its faces (P), AO 14: 1456
- Gauss objective (P), AO 14: 1457
- Gauss type lens system (P), AO 18: 2092
- Gauss-type objective of four components and six lens elements (P), AO 18: A214
- General solution of the problem of perfect geodesic lenses for integrated optics (T), JOSA 69: 1248
- Geodesic optical waveguide lens analysis (T), JOSA 67: 1293
- Geodesic optical waveguide lens analysis: Comment (T) (L), JOSA 69: 791
- Geodesic profiles for equivalent Luneburg lenses (L), JOSA 69: 792
- Geometrical optics of inhomogeneous particles: glory ray and the rainbow revisited (T), AO 16: 166
- Geometry of the half-symmetric image (T), JOSA 68: 739
- Germanium, for use in the infrared, comprising 3 or 4 deeply deformed elements (P), AO 13: 6A26
- Glass lens having reduced chromatic aberration and refractive index gradient (P), AO 14: 1459
- Gradient index miniature coupling lens (P), AO 17: 1473
- Grating lenses for integrated optics (ET), OL 2: 142
- Guided acoustic traveling wave lens for high-speed optical scanners (ET), AO 18: 446
- Guided-wave optical thin-film Luneburg lenses: fabrication technique and properties (E), AO 18: 4067
- Handbook of Optics. Edited by Walter G. Driscoll and William Vaughan (B), Reviewed by Wright, W. D., AO 18: 416
- High aperture, focusable by moving only front component (P), AO 15: 2312
- High aperture lens for laser compression experiments: a new type (TE), AO 17: 3368
- High aperture long-focus with aberration correction at close object distances (P), AO 14: 1747
- High-aperture wide-field reversed telephoto (P), AO 14: 2039
- Highly concentrating Fresnel lenses (T), AO 18: 2688
- Highly corrected for microcircuit printing (P), AO 15: 326
- High numerical aperture intermediate wide angle objective (P), AO 16: 799
- High power photographic objective with large angular field (P), AO 15: 2948
- High resolution lenses for optical waveguides (TE), AO 13: 2105
- High-resolution, wide-field holographic lens (P), AO 18: 3804
- High resolving power copying lens of unity magnification (P), AO 15: 831
- Holographically generated lens (TE), AO 13: 2924
- Holographic lens tester (A), JOSA 65: 1216
- Holographic optics for a matched-filter optical processor (TE), AO 18: 631
- Human Lens in Relation to Cataract. By A. Pirie (B), Reviewed by Miller, David, AO 14: 791
- Imaging properties of a conic axicon (T) (L), AO 13: 1762
- Improved lens designs for microelectronics applications (A), JOSA 68: 1374
- Improvement of the coupling efficiency between LEDs and optical fibers (T), AO 18: 2062
- Index profiles for generalized Luneburg lenses and their use in planar optical waveguides (T), JOSA 67: 1010
- Influence of condenser design and arc lamps on performance of projection lenses (A), JOSA 66: 1113
- Infrared lenses (P), AO 17: 1474
- Inhomogeneous optical waveguide lens analysis (T), JOSA 67: 1004
- Integrated-optical corrector plates for waveguide geodesic lenses (A), JOSA 67: 1393
- Inverted telephoto for super-8 film (P), AO 14: 2039
- Inverted telephoto type superwide angle lens (P), AO 18: 3966
- Keystone compensation for image storage systems (T), AO 15: 1626
- Knife-edge scanning measurements of subwavelength focused light beams (ET), AO 16: 1971
- Large aperture photographic lens system (P), AO 16: 799
- Large-aperture photographic lens system (P), AO 18: 2091
- Large aperture photographic lens system (P), AO 18: A213
- Large-aperture ratio retrofocus lens system (P), AO 15: 831
- Large-aperture, ultra wide angle photographic lens system (P), AO 16: 1814
- Large-aperture wide-angle photographic lens system (P), AO 14: 1241
- Laser profiling of the edges of intraocular lenses (A), JOSA 69: 1427
- Laser-scanning inspection of bifocal lenses (A), JOSA 64: 558
- Lens and mirror design via the principal surface (T), AO 15: 2579
- Lens assembly for Polaroid SX-70 Land camera (N), AO 13: 326
- Lens Design Fundamentals. By Rudolf Kingslake (B), Reviewed by Wetherell, William B., AO 17: 3508
- Lens Design Fundamentals. By Rudolf Kingslake (B), Reviewed by Smith, Warren J., JOSA 69: 204
- Lens design merit functions: rms image spot size and rms optical path difference (E), AO 17: 715
- Lens double Gauss for photoengraving purposes (P), AO 17: 1475
- Lens, double Gauss, with aperture  $f/2$  covering  $\pm 22^\circ$  to  $26^\circ$  (P), AO 18: 2606
- Lens, enlarging comprising seven meniscus-shaped components (P), AO 17: 326
- Lens, high-aperture wide-angle, consisting of reversed Galilean telescope in front of main objective (P), AO 17: 327
- Lens Mechanism Technology. By D. F. Horne (B), Reviewed by Simpson, John A., AO 15: 1369
- Lens Mechanism Technology. By D. F. Horne (B), Reviewed by Hopkins, Robert E., JOSA 67: 262
- Lens-mirror combinations with maximal concentration (TE), AO 16: 2677
- Lens, reversed telephoto, embodying small differential movement when focused on near objects (P), AO 17: 327
- Lens, reversed telephoto, of compact structure covering  $\pm 37^\circ$  at  $f/35$  (P), AO 17: 326
- Lens, reversed telephoto, of high aperture covering a field at  $\pm 36^\circ$  or  $42^\circ$  (P), AO 17: 327
- Lens, reversed telephoto, suitable for use as  $f/2$  lens of 28 mm focal length (P), AO 17: 327
- Lens structure for giant refractor telescopes (T) (L), AO 15: 1655
- Lens surfacing tool and tool holder (P), AO 18: 3341
- Lens, symmetrical, for 3-color reproduction, each half containing 3 separated elements (P), AO 17: 326
- Lens system for modifying spherical aberration (P), AO 17: 1474
- Lens system for motion picture projection (P), AO 16: 13
- Lens systems: aplanatic anastigmatic two and three element (T), AO 15: 2276
- Lens system with frontal aperture stop (P), AO 18: 2091
- Lens, telephoto at high aperture and telephoto ratio less than 1.0 (P), AO 17: 326
- Lens, wide-angle, of Biogon type for a larger view camera (P), AO 17: 327
- Long-eye-relief eyepiece (P), AO 18: 260
- Macro, in which one element is "floated" when used on a near object (P), AO 14: 3110
- Magnifier (P), AO 18: A213
- Making a steep, radically aspheric lens both concave and convex (L), AO 16: 1122
- Making concentric hemicylinder lenses (E) (L), AO 13: 13
- Measurement of the longitudinal spherical aberration of soft contact lenses (A), JOSA 68: 1375
- Measurement of the longitudinal spherical aberration of soft contact lenses (E), OL 4: 224
- Measurement of transmission of infrared lenses (E) (L), AO 13: 469
- Medium magnification and objective for video disks (P), AO 18: 2092
- Microfiche lens (P), AO 17: 1471
- Microfilm, covering  $\pm 12^\circ$  at  $f/1.4$  (P), AO 14: 1041
- Microfilm over a range of magnification from 14X to 36X (P), AO 16: 2342
- Microfilm recorder lens (P), AO 17: 1471
- Microfilm reproduction between 7.5 and 30X (P), AO 15: 325
- Microlenses to improve LED-to-fiber optical coupling and alignment tolerance (ET), AO 18: 3694
- Microscope objective (P), AO 18: 2091
- Miniature and large aperture retrofocus wide-angle photographic lens (P), AO 18: 2091
- Mirror-lens objective (P), AO 15: 835
- Modified double Gauss lens for photo-engraving purposes (P), AO 17: 1476
- Modified fish-eye lens with three aspheric surfaces (P), AO 15: 2948
- Modified Gauss, covering  $\pm 13^\circ$  at  $f/1.4$  to  $f/2$  (P), AO 15: 2947
- Modified Gauss-type photographic lens (P), AO 18: 3925
- Modulation transfer function measurement of TV zoom lenses: influence of distortion on the equivalence of normal and inverse conjugate techniques (T), AO 17: 2171



- Monochromat laser projection lens of high aperture and good correction (P), AO 15: 2312
- Mounting means for a zoom lens, where zooming and focusing are performed by the same outer sleeve (P), AO 18: A115
- Multi-element lens assembly (P), AO 16: 798
- Numerical study of a CO<sub>2</sub> laser beam focused on a theta-pinch plasma in the axial direction (TE), AO 16: 1975
- Objective for night vision device (P), AO 16: 1127
- Objective lens assembly for projection television (P), AO 17: 1468
- Objective lens system (P), AO 16: 1816
- Objective of the extended Gauss type (P), AO 15: 832
- On the generation of elliptical and hyperbolic waves by a cylindrical lens (T) (L), JOSA 66: 277
- Operations on ultrashort pulses using "flat" lenses (T), JOSA 68: 28
- Ophthalmic lenses with progressively varying focal length (P), AO 13: 2959
- Ophthalmic lens series (P), AO 15: 2948
- Optical apparatus for determining focus (P), AO 15: 2038
- Optically compensated zoom objective for a low-power microscope (P), AO 18: A115
- Optical plastic lenses and the Navy's ophthalmic program (N), AO 16: 2022
- Optical system comprising a single element having a continuously varying index of refraction (P), AO 13: 2438
- Panoramic magnification changer (P), AO 15: 1358
- Parfocal low-magnification microscope objective lens systems (P), AO 17: 1473
- Performance measurement techniques for simple Fourier transform lenses (ET), AO 17: 2973
- Photographic lens system with a short overall length (P), AO 15: 2947
- Photographic objective having glass of a high index of refraction (P), AO 14: 1458
- Photographic, with stop in front, containing five elements of high-index glass (P), AO 15: 2946
- Plastic lenses booklet (N), AO 14: 2411
- Plastic lens moulding errors compensated by glass substrate distortion (P), AO 16: 1758
- Plastic triplet lens for curved CRT screen (P), AO 18: 4016
- Preparation of photochromic gradient lenses (P), AO 18: 3958
- Preparation of photochromic gradient lenses (P), AO 18: 3958
- Primary aberration contributions for curved Fresnel surfaces (T), JOSA 68: 1306
- Primary aberrations of Fresnel lenses (T), JOSA 64: 459
- Primary aberrations of meniscus Fresnel lenses (T), JOSA 66: 1317
- Process lens mounted between two pairs of cylindrical elements to give a variable anamorphic effect (P), AO 14: 2039
- Projection, of reversed telephoto type, with variable focal length (P), AO 15: 2312
- Projection, zooming from 17X to 29X between fixed conjugates (P), AO 15: 326
- Propagation of the generalized radiance through lenses (T), JOSA 68: 1606
- Realization of a bi-aspherical objective lens for the Philips Video Long Play system (E), OL 4: 70
- Rear converter lens (P), AO 15: 832
- Reducing the danger of flare images in laser focusing objectives (T), AO 17: 3812
- Reflecting lens array (P), AO 14: 1458
- Reflecting-lens copying objective (P), AO 17: 1472
- Reflex camera viewfinder with image correcting means (P), AO 15: 831
- Reflex copy lens containing an aspheric plastic element (P), AO 17: 1476
- Refractive index profile optimization in diffused graded index lenses, AO 14: 2427
- Relay lens to image one waveguide on another (P), AO 18: 2542
- Replication of Wolter-lens components (A), JOSA 67: 1378
- Retrofocus lens, reversed telephoto covering  $\pm 38^\circ$  at  $f/2.8$  (P), AO 17: 1475
- Retrofocus type objective lens system (P), AO 16: 799
- Retrofocus type wide angle lens (P), AO 17: 1473
- Retrofocus type wide angle lens system (P), AO 16: 279
- Retrofocus type wide angle objective lens (P), AO 18: A213
- Retrofocus type wide-angle photographic lens system (P), AO 18: A213
- Retrofocus wide-angle objective lens system of large relative aperture (P), AO 16: 1815
- Reversed telephoto (P), AO 16: 1127
- Reversed telephoto, a compact 7-element construction covering  $\pm 38^\circ$  (P), AO 16: 2342
- Reversed telephoto, covering  $\pm 42^\circ$  at  $f/2$  (P), AO 14: 1043
- Reversed telephoto, covering  $37.5^\circ$  at  $f/2.8$  (P), AO 14: 1747
- Reversed telephoto covering  $\pm 48^\circ$  at  $f/2$  (P), AO 16: 2343
- Reversed telephoto, covering  $\pm 42^\circ$  at  $f/2$  (P), AO 16: 2343
- Reversed telephoto covering  $\pm 32^\circ$  to  $\pm 38^\circ$  at  $f/2$  to  $f/2.8$  (P), AO 16: 1757
- Reversed telephoto covering up to  $\pm 46^\circ$  at  $f/3.5$  or  $f/2.8$  (P), AO 14: 3110
- Reversed telephoto covers a field of  $\pm 46^\circ$  at  $f/2.8$  (P), AO 16: 1758
- Reversed telephoto for fiber optic endoscopes (P), AO 17: 1475
- Reversed telephoto, having a moving element to improve corrections with a close object (P), AO 14: 2039
- Reversed telephoto lens covering  $\pm 50^\circ$  at  $f/3.5$  (P), AO 16: 1757
- Reversed telephoto lens covering  $\pm 47^\circ$  at  $f/2.8$  (P), AO 16: 1757
- Reversed telephoto lenses covering  $\pm 47^\circ$  at  $f/2$  or  $f/2.8$  (P), AO 18: 3358
- Reversed telephoto objective fiber optic endoscopes (P), AO 17: 1476
- Reversed telephoto of high aperture and moderate field (P), AO 15: 1671
- Reversed telephoto, with aspheric front surface covering a very wide field (P), AO 16: 2342
- Reversed telephoto with differential focusing for close objects (P), AO 15: 1671
- Reversed telephoto, with 8 elements with particular attention being paid to color correction (P), AO 16: 2342
- Reversed telephoto with one aspheric surface in the rear component (P), AO 16: 2342
- Reverse telephoto lens for near-distance photography (P), AO 14: 1457
- Schneider & Co., optical activities (TE) (N), AO 13: 707
- Shaping a refractor surface to produce a specified energy distribution over a receiver surface (A), JOSA 66: 1114
- Short focal length, large aperture optical system (P), AO 15: 832
- Short focal length large aperture optical system (P), AO 16: 1127
- Similar to the Biogon covering  $\pm 31^\circ$  to  $46^\circ$  at  $f/4.5$  to  $f/6.3$  (P), AO 16: 2342
- Simple 4-element lens with aspheric plate behind rear element (P), AO 17: 327
- Simple 4-element telephoto lenses covering  $\pm 6.3^\circ$  at  $f/3.5$  (P), AO 18: 4005
- Simple 5-element telephoto lens suitable for 200 mm focal length at  $f/28$  (P), AO 18: A114
- Simple front meniscus with an additional front stop to improve oblique imagery (P), AO 15: 326
- Simple substage condenser with adequate aberration correction (P), AO 18: 2542
- Single optical lens with large aperture and large field (P), AO 17: 1473
- Six-element double Gauss lens of aperture  $f/1.2$  and field  $\pm 22^\circ$  (P), AO 18: 2542
- Sixteen-element zoom lens (P), AO 18: 259
- Small retrofocus type super wide-angle objective lens system (P), AO 15: 832
- Soft contact lenses for 24 hr a day wear (N), AO 14: 2719
- Soft focus lens system (P), AO 18: A214
- Spectacle Lens Technology. By D. F. Horne (B), Reviewed by Rupp, Wiktor J., AO 18: 4144
- Spectacle Lens Technology. By D. F. Horne (B), Reviewed by Smith, F. Dow, JOSA 69: 800
- Spherical aberration correction and fabrication tolerances in geodesic lenses (T), AO 17: 3969
- Stereopsis using a large aspheric field lens (ET) (L), AO 13: 739
- Stray light suppression in optical space experiments (E), AO 13: 556
- Super wide-angle lens systems (P), AO 14: 1459
- Symmetrical, for copying a  $f/10$  over  $\pm 35^\circ$  field (P), AO 15: 1671
- Symmetrical for 1:1 copying, each half with 7 airspaced elements (P), AO 14: A104
- Symmetrical, for 1:1 copying of the modified Plasmatic type (P), AO 14: 2039
- Symmetrical Plasmatic-type copying lenses with weak central biconvex element (P), AO 15: 2948
- Symmetrical type four-component lens system (P), AO 16: 799
- System capable of wide range zooming and macrophotography (P), AO 18: 748
- System having large relative aperture and long focus of the basic Sonnar type (P), AO 17: 1476
- Tacheometer theodolite/distance measuring instrument (P), AO 18: A213
- Telecentric with back focus longer than focal length (P), AO 15: 2947
- Telecentric without vignetting over  $\pm 10^\circ$  at  $f/4.5$  (P), AO 14: 1746
- Telephoto consisting of four elements, the rear element being a deep negative meniscus with an aspheric surface (P), AO 16: 2342
- Telephoto, covering  $\pm 4^\circ$  at  $f/4.5$  (P), AO 14: 1041
- Telephoto, covering  $\pm 2^\circ$  at  $f/6$  (P), AO 14: 1043
- Telephoto, focusable on close objects (P), AO 15: 2312
- Telephoto having a short total length (P), AO 13: 2960
- Telephoto, highly corrected for chromatic aberration (P), AO 14: 3110
- Telephoto lens capable of being focused on a close object (P), AO 18: A114
- Telephoto lens focusable to a very close distance (P), AO 18: A113
- Telephoto lens focused by moving two elements at differing rates (P), AO 18: A115
- Telephoto lens objective (P), AO 15: 833
- Telephoto lens objective (P), AO 15: 833
- Telephoto lens system having small overall length (P), AO 15: 832
- Telephoto objective having internal focusing means (P), AO 17: 1475
- Telephoto system (P), AO 14: 1241
- Telephoto system (P), AO 16: 279
- Telephoto type objective of large relative aperture ratio (P), AO 17: 1468
- Tessar-type photographic lens (P), AO 17: 1471
- Tessar type, with stop behind the rear element (P), AO 15: 325
- Theoretical intensity uniformity from an anti-Gaussian collimating lens (T), AO 15: 2355
- Thin-film lenses based on tantalum pentoxide (A), JOSA 65: 1222
- Third-order aberrations of the photographic Wood lens (T), JOSA 66: 1326
- Three element objective lenses having aspheric surfaces on the middle element (P), AO 16: 1127
- Three element objective lens with aspheres on rear surfaces of first and second elements (P), AO 15: 835
- Three element projection lens (P), AO 15: 835
- Three element projection lens microfilm reader (P), AO 14: 1241
- Three-layer waveguide for thin film lens fabrication (P), AO 18: 3925
- Triplet, for a movie camera, comprising two plastic elements with aspheric surfaces and a glass element (P), AO 15: 2946
- Triplet objective projection lenses (P), AO 17: 1468
- Triplet, with a plastic field flattener (P), AO 15: 2948
- Ultra-high resolution reducing lens system (P), AO 18: 2091
- Ultra-violet high aperture micrographic objective for use at 26:1 (P), AO 17: 1475
- Ultra-violet high aperture micrographic objective for use at 24:1 (P), AO 17: 1475
- Ultra-wide angle photographic lens (P), AO 14: 1457
- Variable density lens (P), AO 18: 260
- Variable focal length reflector lens system (P), AO 18: 259
- Variable focal lens having a divergent front element (P), AO 18: 750
- Variable magnification lens system (P), AO 15: 832
- Variable magnification lens system (P), AO 18: 750
- Variable magnification zoom lens (P), AO 15: 833
- Varifocal compensated lens for irradiation of flow cells (E) (L), AO 18: 5
- Varifocal lens assembly for camera (P), AO 14: 1474
- Vernier sharpness gauge for rapid camera lens evaluation (A), JOSA 68: 1417
- Very wide angle 10-element zoom lens with movable negative front member and a movable positive rear member (P), AO 18: 3241



Very wide-angle with stop in front (P), AO 13: 1976

Vulnerability of speckle photography to lens aberrations (E), JOSA 67: 1587

Wide-angle Avigon-type with large negative components outside and smaller positive components surrounding the stop (P), AO 16: 2343

Wide-angle covering almost  $\pm 45^\circ$  at  $f/2.8$  to  $f/3.5$  (P), AO 14: 1044

Wide angle fisheye lens (P), AO 14: 1457

Wide-angle, high power (P), AO 16: 1127

Wide-angle lens (P), AO 14: 1457

Wide angle objective (P), AO 18: 2092

Wide angle objective lens system with large back focus (P), AO 14: 1241

Wide-angle, of simple construction covering  $\pm 40^\circ$  at  $f/11$  (P), AO 14: 1043

Wide angle photographic lens (P), AO 15: 832

Wide angle photographic lens (P), AO 18: 2092

Wide angle retrofocus lens system of a large relative aperture (P), AO 18: A214

Wide angle, retrofocus-type photo-taking lens (P), AO 14: 1459

Wide-angle reversed telephoto (P), AO 15: 2297

Wide angle reversed telephoto (P), AO 16: 1757

Wide angle reversed telephoto lens capable of being moved laterally for a rising front, one element being tilted to ensure optimum definition (P), AO 18: 3358

Wide angle, with large menisci surrounding a pair of positive triplets (P), AO 14: 1042

Wide-angle zoom lens  $f/3.6$  consisting of a negative front member and a positive rear, both members being movable (P), AO 18: 3241

Zernike polynomial lens sensitivity program (ZEST) (A), JOSA 69: 1429

Zoom at 7 elements, the variator containing a variable air space (P), AO 15: 1671

Zoom  $f/1.2$  projection lens for super-8 film (P), AO 18: 3241

Zoom lens assembly (P), AO 15: 833

Zoom lens design by pocket calculator (T) (L), AO 17: 1162

Zoom lens for a super-8 movie camera (P), AO 18: A170

Zoom lens for fixed conjugates (P), AO 15: 326

Zoom lens for SLR camera, ranging from 86 to 250 mm at  $f/1.5$  (P), AO 17: 327

Zoom lens having movable diaphragm disposed between two zoom components (P), AO 15: 1348

Zoom lens system capable of close-up photography (P), AO 18: 750

Zoom lens with aberration variation prevented for focusing (P), AO 18: 750

Zoom lens with negative front and positive rear (P), AO 18: 3271

Zoom mount (P), AO 16: 1758

Zoom mount with ring which is moved along the axis to vary the focal length and is rotated for focusing (P), AO 15: 1347

Zoom null lens (T), AO 18: 3863

Zoom or macro application (P), AO 15: 1347

Zoom projection lens with a high aperture and 1:8 zoom ratio (P), AO 18: A114

Zoom projection with aspheric plastic elements (P), AO 15: 1670

Zoom, to cover 30:1 range the zooming action occurs in two stages (P), AO 15: 1347

Zoom with reduced vignetting by second movable iris diaphragm (P), AO 15: 1348

## Lenses, zoom

See also Lenses

Adaptable for zooming or macro photography (P), AO 14: 3110

Adjustable aperture (P), AO 18: 3358

Anamorphic zoom lens for photography or projection (P), AO 16: 1816

Aperture  $f/1.2$ , 3:1 for 8 mm movies (P), AO 15: 2297

Color vision camera (P), AO 14: 1043

Compact system permitting instantaneous increase in magnification without refocusing (P), AO 17: 1468

Convertible to macro mode (P), AO 14: 3110

Drive control device (P), AO 16: 279

Electronic device to set the diaphragm of a two-member zoom lens at desired  $f$ /number at any zoom position (P), AO 18: 3999

For 8 mm camera ranging from 9 to 30 mm at  $f/1.9$  (P), AO 14: 3110

For super-8, with macro adaption (P), AO 14: 3110

Four-lens optically compensated composed of 8 single elements (P), AO 14: 1746

Four-lens optically compensated, composed of 7 single elements (P), AO 14: 1746

Gyrostabilized for telescope or movie camera (P), AO 15: 2946

Long-wave infrared afocal zoom telescope (P), AO 16: 13

Macrolens for 35 mm still camera (P), AO 14: 1041

Mechanically compensated zoom lenses with stable pupils (A), JOSA 65: 1176

Mounting for use as macro or zoom lens (P), AO 14: 1747

Optical element of reduced thickness (P), AO 14: A52

Optical system for 8-14 micron range (P), AO 14: 1042

Photocopy, six component (P), AO 16: 279

Shock proof objective lens (P), AO 18: A213

Simultaneous operation of zoom and macro features in 8 mm camera (P), AO 14: 3110

Super-8 capable of very close focusing (P), AO 13: 6A26

Super-8, ranging from 3:1 to 11:1 at  $f/1.8$  (P), AO 14: 1041

Symmetrical zoom copy lens with fixed outer and movable inner components, for use between fixed object and image planes (P), AO 18: 3358

System having four movable members (P), AO 14: 1241

Temperature compensating focusing in infrared zoom lenses (P), AO 18: 3346

Two components both cam driven covering a wide angle (P), AO 14: 1746

Two-member wide-angle zoom lens, the first surface of which is aspheric (P), AO 18: 3999

Variable focal length optical system of super-high magnification ratio (P), AO 17: 1471

Varifocal objective (P), AO 16: 279

Wide-angle zoom lens consisting of two components both of which are moved to vary the focal length (P), AO 18: 3999

With zero-power aberration compensator moving inside the system (P), AO 15: 2948

Zoom for still camera, including means very close focusing (P), AO 13: 1976

Zoom for super-8 movie camera, low cost (P), AO 13: 1976

Zoom Lenses. By A. D. Clark (B), Reviewed by Sinclair, Douglas C., AO 14: 790

Zoom Lenses. By A. D. Clark (B), Reviewed by Kingslake, Rudolf, JOSA 64: 1152

Zoom lens having a wide magnification variation range (P), AO 17: 1474

Zoom lens system also capable of ultra-closeup photography (P), AO 17: 1471

Zoom lens system for close up photography (P), AO 13: 1976

Zoom lens (wide angle) for 35 mm SLR cameras (P), AO 13: 6A26

## Lidar

See also Atmospheric optics

Acquisition of remote atmospheric temperature profiles by use of Raman lidar backscatter (A), JOSA 68: 1434

Aerosol tropospheric-stratospheric exchange (A), JOSA 67: 256

Airborne bathymetric charting using pulsed blue-green lasers (TE), AO 16: 46

Airborne cloud lidar system: instrument description and flight performance (A), JOSA 69: 1399

Analysis for pulsed coherent lidar system performance (A), JOSA 68: 541

Analysis of differential absorption lidar from the Space Shuttle (T), AO 17: 624

Angular distribution of fluorescence from small particles with plane and evanescent wave excitations (A), JOSA 68: 1452

Antenna parameters for incoherent backscatter heterodyne lidar (T), AO 18: 1390

Application of a CO<sub>2</sub> differential absorption lidar system to ozone measurement in an urban area (A), JOSA 69: 1398

Atmospheric optics of infrared Doppler lidar wind measurements from space (A), JOSA 68: 1434

Atmospheric propagation effects in laser ranging and lidar (A), JOSA 69: 1409

Atmospheric refractive effects on coherent lidar performance at 10.6  $\mu$ m (E), AO 18: 3911

Atmospheric temperature profiles from lidar measurements of rotational Raman and elastic scattering (T), AO 15: 2896

Atmospheric visibility measurement by a modulated cw lidar (T), AO 15: 1823

Atmospheric visibility measurement by a modulated cw lidar: comments (T) (L), AO 16: 1128

Atmospheric visibility measurement by a modulated cw lidar: reply to comments (T) (L), AO 16: 1128

Autonomous rendezvous and docking in synchronous orbit with a 10.6  $\mu$ m lidar (A), JOSA 66: 380

Backscattering of a picosecond pulse from densely distributed scatterers (ET), AO 18: 3484

Beam characteristics of a lidar system (E), AO 13: 63

Boresighting a Gaussian beam on a specular target point: method using conical scan (TE), AO 15: 656

Cavity dumping system (P), AO 13: 1727

Characterization of high extinction weather for a ground-based infrared pulsed Doppler lidar (A), JOSA 68: 540

Circular polarization in certain laser and holography applications (E) (L), AO 14: 1471

Circular polarization in certain laser and holography applications: comments (E) (L), AO 14: 2567

Circular polarization in certain laser and holography applications: reply to comments (E) (L), AO 14: 2568

Cloud-base water content measurement using single wavelength laser-radar data (TE), AO 14: 2873

Cloud reflectance with laser beam illumination (E) (L), AO 17: 2257

Coherent CO<sub>2</sub> lidar attenuation measurements in rain (A), JOSA 68: 541

Coherent differential Doppler measurements of transverse velocity at a remote point (ET), AO 16: 1145

Coherent optical adaptive techniques (E), AO 13: 291

Comparative analysis of red-blue lidar and rawinsonde data (A), JOSA 67: 258

Comparison of airborne lidar results with a physical model of stratospheric aerosols (A), JOSA 67: 256

Considerations of a satellite-borne global wind sensing coherent lidar (A), JOSA 68: 1430

Continuously tunable IR lidar with applications to remote measurements of SO<sub>2</sub> and CH<sub>4</sub> (E), AO 17: 3555

Continuous wave lidar measurement of atmospheric visibility (ET), AO 17: 265

Correction of laser tracking data for the effects of horizontal refractivity gradients (TE), AO 16: 2427

Deduction of aerosol concentrations from 1.06- $\mu$ m lidar measurements (TE), AO 17: 3763

Detectivity estimation of the DAS lidar for NO<sub>2</sub> (T), AO 17: 2734

Determination of the complex refractive index of aerosol particles from bistatic lidar and solar radiometer measurements (A), JOSA 67: 259

DFVLR airborne lidar system (A), JOSA 66: 386

Differential-absorption lidar measurements in the oxygen A band using a ruby lidar and stimulated Raman scattering (E), OL 4: 78

Differential absorption lidar system sensitivity with heterodyne reception (T) (L), AO 17: 3862

Double-scattering approximation of lidar equation for inhomogeneous atmosphere (T), OL 4: 12

Dustsonde and lidar measurements of stratospheric aerosols: a comparison (E), AO 13: 2416

Effects of random path fluctuations on the accuracy of laser ranging systems (T), AO 15: 2539

Effects of the earth's atmosphere on a spaceborne IR Doppler wind-sensing system (T), AO 18: 2645

Electronically scanned waveguide laser arrays (T) (L), AO 13: 1755

Empfangsleistung in Abhaengigkeit von der Zielfernunft bei optischen Kurzstrecken—Radargeräten (TE), AO 13: 931

Estimation of image centroid, size, and orientation with laser radar (T), AO 16: 2433

Expected lidar return from tornado clouds (T) (L), AO 15: 2958



- Experimental measurements of atmospheric aerosol inhomogeneities (A), JOSA 68: 540
- Experimental measurements of atmospheric aerosol inhomogeneities (E), OL 2: 166
- Far field construction for optical Fourier transforms (P), AO 15: 1889
- Feasibility of atmospheric aerosol measurements with lidar from Space Shuttle (A), JOSA 67: 259
- Field properties of multiple coherently combined lasers (T), AO 18: 270
- First-order non-Gaussian statistics of an optical field scattered from a glinty rough object under coherent illumination (A), JOSA 67: 1368
- Four-component polarization measurement of lidar atmospheric scattering (E), AO 17: 614
- Geometrical compression of lidar return signals (T), AO 17: 1131
- Geometrical form factor in the laser radar equation: an experimental determination (E), AO 18: 3908
- Geometrical form factors for the lidar function (T), AO 17: 240
- High energy pulsed dye lasers for atmospheric sounding (E), AO 18: 287
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- Lidar measurements of two intense stratospheric dust layers (E), AO 14: 4
- Lidar plume dispersion measurements (A), JOSA 68: 1434
- Lidar polarization studies of the troposphere (E), AO 14: 2158
- Lidar return signals for coaxial and noncoaxial systems with central obstruction (T), AO 18: 1559
- Lidar system applied in atmospheric pollution monitoring (E), AO 18: 2998
- Lidar temperature profiling: performance simulations of Mason's method (T) (L), AO 18: 3539
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- Maximum angular accuracy of pulsed laser radar in photocounting limit (T), AO 16: 1982
- Maximum likelihood estimate of target angles for a conical scan tracking system in the presence of speckle (T), AO 16: 184
- Methodology for error analysis and simulation of lidar aerosol measurements (T), AO 18: 3783
- Modulation techniques for an airborne laser scanner (T), AO 18: 3176
- Monitoring of tropospheric aerosol optical properties by lidar (A), JOSA 67: 258
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- Multiple scattering in atmospheric clouds: lidar observations (E), AO 15: 1990
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- Optical antenna gain. 2: Receiving antennas (T) (errata), AO 13: 2762
- Optical antenna gain. 1: Transmitting antennas (T), AO 13: 2134
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- Optical pulsed ranging: method for improving measurement accuracy (T) (L), AO 15: 1684
- Optical pulsed ranging: method for improving measurement accuracy: comment (T) (L), AO 16: 16
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- Pulsed and Doppler CO<sub>2</sub>-laser radar (A), JOSA 66: 380
- Quantitative remote measurements of pollutants from stationary sources using Raman lidar (E), AO 16: 3180
- Raman-lidar humidity sounding of the atmospheric boundary-layer (E), AO 18: 1141
- Rapid-scanning laser receiver (ET), AO 14: 1673
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- Remote detection of atmospheric aerosols using lidar (A), JOSA 67: 1370
- Remote detection of pollutants using resonance Raman scattering (TE), AO 14: 2703
- Remote Doppler velocity measurements of atmospheric dust devil vortices (E) (L), AO 15: 1
- Remotely measuring surface pressure from a satellite using a multicolor laser ranging system (T), AO 18: 3184
- Remote measurement of the transverse wind velocity component using a laser Doppler velocimeter (ET), AO 18: 3010
- Remote measurement of tropospheric ozone (E) (L), AO 18: 3363
- Remote sensing of CO using frequency-doubled CO<sub>2</sub> laser radiation (A), JOSA 69: 1398
- Remote SO<sub>2</sub> measurements at 4  $\mu$ m with a continuously tunable source (E), OL 2: 163
- Saturation effect for H<sub>2</sub>O absorption lines at ruby laser wavelengths (E), AO 18: 3014
- Scattering from a polydispersion of tumbled spheroids (A), JOSA 67: 257
- Separation of dust and molecular scattering contributions to the lidar observation: a method (T), AO 14: 1917
- Signal-to-noise ratio in photocounting images of rough objects in partially coherent light (T), AO 15: 2268
- Single-ended measurement of infrared extinction using lidar, AO 17: 296
- Spectral processing of lidar photocount data (A), JOSA 68: 1386
- Statistics of the laser radar cross section of a randomly rough target (T), JOSA 66: 1150
- Stratospheric temperature and pressure determinations from an OH fluorescence lidar instrument (T), AO 18: 1710
- Synthetic-aperture optical-radar techniques (A), JOSA 64: 541
- Synthetic modal interferometric laser imaging (TE), AO 16: 2441
- Temporal and spatial frequency spectra for atmospheric aerosols (A), JOSA 67: 259
- Three-frequency nonlinear heterodyne detection. 1: cw radar and analog communications (T), AO 14: 666
- Three-frequency nonlinear heterodyne detection. 2: Digital communications and pulsed radar, AO 14: 680
- Threshold detection in pulsed laser ranging (T) (L), AO 15: 1349
- Transmit-receive subsystem for lidar (P), AO 15: 10
- Transversely excited atmospheric CO<sub>2</sub> laser radar with heterodyne detection (ET), AO 18: 290
- Trend of twilight color ratios and converted lidar data of the Fuego dust cloud (A), JOSA 67: 256
- Two-photon lidar technique for remote sensing of atomic oxygen (T), AO 18: 316
- Two-wavelength double-pulse tunable dye laser for dial applications (A), JOSA 66: 387
- Water vapor differential absorption lidar development and evaluation (E), AO 18: 3474
- Wind measurements from an orbital platform using a lidar system with incoherent detection: an analysis (T), AO 18: 2992

## Liechtenstein

Optics in Liechtenstein (R), AO 15: 2979

## Light

- See also Lighting
- Average polarization of partially polarized light (T) (L), JOSA 64: 398
- CIE report for tunnel lighting (N), JOSA 64: 738
- Effects of light upon circadian rhythms (A), JOSA 64: 534
- Lasers, light, and matter (ET), JOSA 67: 140
- Light and life (A), JOSA 64: 519
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## Lighting

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- CIE report on interior lighting (N), AO 15: 408
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## Lightning

See also Atmospheric optics  
Laser lightning rod system: thunderstorm domestication (TE), AO 13: 2292

## Light pipes

Coupling between two cylindrical light pipes: a design (T), AO 15: 2844  
Coupling efficiency between light pipes of different dimensions (T), AO 15: 2840  
Device for amplification of a coherent optical signal (P), AO 14: 1043  
Dielectric compound parabolic concentrators (T) (L), AO 15: 291  
Fluid mechanical light guide (TE), AO 14: 1556  
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Measurements on an x-ray light pipe at 5.9 and 14.4 keV (E) (L), JOSA 66: 1048  
Propagation of infrared light in flexible hollow waveguides (T), AO 15: 145  
Propagation of IR light in flexible hollow waveguides (T) (errata), AO 15: 2028  
Radiation effects in light pipes and light pipe isolators (E) (L), AO 13: 1272  
Right angle bends in light pipes: analysis (T), AO 15: 1331  
Skew ray results for condensing light pipes and reflective baffles (T), AO 15: 2437  
Switch for thin-film optics (P), AO 13: 2441  
Transmission characteristics of specularly reflecting light pipes uniformly irradiated by obliquely inclined rays (T), AO 13: 952

## Light valve

Electrically operated optical shutter (P), AO 13: 2437  
Liquid crystal optical cell with selected energy scattering (P), AO 13: 2438

## Light, velocity of

See also Light  
Determination of the speed of light by absolute wavelength measurement of the  $R(14)$  line of the  $\text{CO}_2$  9.4- $\mu\text{m}$  band and the known frequency of this line (E), OL 1: 5  
Determination of the speed of light by absolute wavelength measurement of the  $R(14)$  line of the  $\text{CO}_2$  9.4- $\mu\text{m}$  band and the known frequency of this line (errata), OL 1: 140  
Electromagnetic radiation, relativity, and anomalous red-shifts (E) (L), AO 15: 1100

## Liquid crystals

See Crystals, liquid

## Lithium

Diamagnetic spectra of atomic lithium (A), JOSA 68: 1446  
Hyperfine spectroscopy of  $^6\text{Li}^+$  (E), OL 4: 233  
Multiphoton ionization spectra of Li vapor (A), JOSA 69: 1410  
Observations of Li I and Li II absorption spectra in the grazing incidence region (E), JOSA 67: 1030  
Optical constants of lithium deposits as determined from the Kramers-Kronig analysis (E), JOSA 67: 54  
Optical properties of aggregated lithium deposits (E), JOSA 67: 510  
Photometer for detection of lithium release in daytime (E) (L), AO 18: 420  
Ultraviolet optical properties of Li (E), JOSA 64: 839

## Lithium fluoride

Kramers-Kronig dispersion analysis of LiF reflectance data obtained at ambient and low temperatures (ET), JOSA 64: 1450

## Lithium niobate

Fe-doped  $\text{LiNbO}_3$  for read-write applications (ET), AO 13: 788  
Holographic page synthesis for sequential input of data (E), AO 13: 896  
Large refractive-index change induced by ion implantation in lithium niobate (A), JOSA 64: 1366  
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Analysis of the spectrum of four-times-ionized lutetium (Lu v) (TE), JOSA 68: 1529

## Magnesium

Direct measurements of excited-state lifetimes in Mg, Ca, and Sr (E), JOSA 67: 488  
Electron density, temperature, and local thermodynamic equilibrium in low-voltage low-current break arcs: magnesium (ET), JOSA 67: 1235  
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## Magnetooptics

Analysis of resonant Voigt effect (TE), JOSA 69: 781  
Dispersion relations and sum rules for magnetorefractivity (T), JOSA 66: 547  
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Ellipsometric determination of the Kerr magneto-optical effect (A), JOSA 68: 1424  
Ellipsometric measurement of the Kerr magneto-optic effect (E), AO 18: 813  
Excitation of hybrid modes in magneto-optic waveguides (E) (L), AO 13: 1001  
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Low-frequency dispersion of the third-order nonlinear susceptibility (A), JOSA 68: 645  
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Magneto-optical properties of  $^7\text{F}_0$  yields  $^5\text{D}_{3+1}$  transitions in  $\text{CaF}_2\text{:Sm}^{2+}$  (ET) (L), JOSA 65: 95  
Magneto-optical switch for synchronization of  $\text{CO}_2$  and red laser beams (A), JOSA 68: 1389  
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## Manganese

Absorption of Mn I between 1305 and 2040 Å (E), JOSA 68: 1541  
Optical constants of the constituents of manganese-bismuth films (E), JOSA 64: 1456  
Spectrum of quintuply ionized manganese (Mn VI) (A), JOSA 64: 1371

## Mars

See also Planets, Space  
Viking infrared thermal mapper (E), AO 17: 1243  
Viking infrared thermal mapper (errata), AO 17: 2132

## Masers

See also Lasers  
High-power cyclotron maser (A), JOSA 68: 629  
Solid state organic (pheromone-beeswax) far infrared maser (E), AO 16: 1557

## Masks

See also Holography  
Defect-detection algorithms for automatic mask inspection (A), JOSA 64: 1402

## Materials

See also Optical materials  
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- Application of optical instrumentation in medicine, 4th SPIE/SPSE seminar, Atlanta, 25-27 Sep 1975 (M), Reported by Weaver, Kenneth E., Goodenough, David J., AO 15: 839
- Application of optimum coding sequences to computerized classical tomography (TE), AO 17: 3133
- Applications in ophthalmology for the scanning mirror microscope (A), JOSA 69: 1446
- Applications of optical mixing spectroscopy to problems in medicine and biology (A), JOSA 65: 1162
- Bidirectional LDV system for absolute measurement of blood speed in retinal vessels (ET), AO 18: 2301
- Biostereometrics 74 symposium, Washington D.C., 10-13 Sep 1974 (M), Reported by Takasaki, Hiroshi, AO 14: 558
- Blood cell analyzer (P), AO 15: 1358
- Cervical cytological (PAP) smear screening with coherent optics (A), JOSA 66: 382
- Characterization of the imaging properties of x-ray focal spots (E), AO 15: 3099
- Chemical and Biochemical Applications of Lasers, Volume 1. Edited by C. Bradley Moore (B). Reviewed by Waynant, Ronald W., JOSA 65: 972
- Coded aperture imaging with uniformly redundant arrays (ET), AO 17: 337
- Computerized tomosynthesis, serioscopy, and coded-scan tomography (ET), AO 17: 175
- Coupling of rigid to flexible imaging multifibers (E), AO 17: 3818
- Dynamics of structural changes in biological particles from rapid light scattering measurements (ET), AO 18: 303
- Electro-optical imaging in diagnostic radiology (A), JOSA 66: 381
- Endoscopic holography for medical diagnosis (A), JOSA 68: 1382
- Fast 3-D scanning systems using a limited tilting angle (T), AO 16: 1686
- Feedback control of exposure geometry in dental radiography workshop, University of Connecticut, 16 May 1978 (M), Reported by Gordon, Richard, AO 18: 1769
- Fourier transform infrared spectroscopic study of molecular interactions in hemoglobin (E), AO 17: 2985
- Future of endoscopy (A), JOSA 69: 1440
- Holographic determination of rigid-body motions, and application of the method to orthodontics (T), AO 18: 1442
- Holography in Medicine: Applications in the Biomedical Sciences. Edited by Pal Greguss (B). Reviewed by Caulfield, Henry John, JOSA 67: 261
- Holography in Medicine. Edited by Pal Greguss (B). Reviewed by Kak, A. C., AO 16: 794
- Hybrid optical-digital radiography-based system for lung disease detection (E), AO 16: 2637
- Image processing for 2-D and 3-D reconstruction from projections: theory and practice in medicine and the physical sciences, OSA topical meeting, Stanford University, 4-7 Aug 1975 (M), Reported by Frank, J., AO 14: 2782
- Laser Applications in Medicine and Biology, Vol. 2. Edited by M. L. Wolbarsht (B). Reviewed by Riva, Charles E., AO 14: 2350
- Laser applications in medicine and biology: a bibliography, AO 16: 27
- Laser Doppler measurements of blood velocity in human retinal vessels (TE), JOSA 68: 526
- Lasers in ophthalmology: the path from theory to application (TR), AO 18: 1518
- Mass screening of breast cancer by electronic infrared pattern recognition (A), JOSA 66: 381
- Measurement of adenosine triphosphate content in single red blood cells using the firefly bioluminescent reaction (E), AO 18: 1527
- Measurement of the velocity of blood flow (in vivo) using a fiber optic catheter and optical mixing spectroscopy (E), AO 14: 189
- Medical and environmental radiation measurements (N), AO 16: 2012
- Medical x-ray photo-optical systems evaluation, Columbia, 21-23 Oct 1974 (M), Reported by Biberman, Lucien M., AO 14: 9
- Mie scattering, Maxwell Garnett theory, and the Giaeever immunology slide (ET), AO 15: 2746
- Moire fringe topography scoliosis detection (A), JOSA 69: 1441
- Moving phase transitions in laser-irradiated biological tissue (T), AO 18: 2286
- Optical instrumentation in medicine, 2nd SPIE technology utilization program on application of, Chicago, 29-30 Nov 1973 (M), Reported by Gray, Joel E., AO 13: 702
- Optical statistical classifiers using coherent and incoherent light (T), AO 18: 2737
- Optics in diagnostic medicine, Tucson, 9-11 Jan 1974 (M), Reported by Gray, Joel E., AO 13: 991
- Optics in diagnostic medicine, tutorial seminar, abstracts of technical papers, 9-11 Jan 1974 (N), AO 14: 760
- Paraxial analysis of light scattering by biological cells in a flow system (TE), AO 17: 3205
- Photographic-film response shaping by halftone screen for optical processing of medical x-ray images (A), JOSA 68: 1436
- Picosecond light scattering measurements of cataract microstructure (E), AO 17: 3177
- Picosecond spectroscopy in biology and medicine (A), JOSA 68: 1382
- Rotational-translational models for interpretation of quasi-elastic light scattering spectra of motile bacteria (TE), AO 17: 3197
- Scanning slit microscope for optical sectioning (A), JOSA 68: 1382
- Screening of cervical cytological samples using coherent optical processing. Part 1 (ET), AO 17: 21
- Screening of cervical cytological samples using coherent optical processing. Part 2 (TE), AO 17: 35
- Screening of cervical cytological samples using coherent optical processing. Part 3 (ET), AO 17: 43
- Selected topics in medical optics (A), JOSA 68: 1382
- Similarities and dissimilarities in the biological effects of laser and ultrasonic radiation (A), JOSA 69: 1440
- Spatial frequency filtering and its application to microscopy (ET), AO 16: 2264
- Spatial multiplex tomography (TE), AO 16: 2363
- Thermodynamic analysis of laser irradiation of biological tissue (TE), AO 17: 3948
- Three-dimensional information extraction from a coded-scan tomogram (ET) (L), AO 15: 1881
- Three-dimensional radiographic imaging with a restricted view angle (T), JOSA 69: 1323
- Ultrasonic Imaging and Holography: Medical, Sonar and Optical Applications. Edited by G. W. Stroke, W. S. Kock, et al. (B). Reviewed by Hildebrand, B. P., AO 13: 2957
- Ultraviolet irradiation device (P), AO 18: 3347
- Use of optical waveguides for exposing mammalian cells to intense laser radiation (A), JOSA 68: 1383



- X-ray 3-D coded aperture imaging: displaying the heart (E), AO 15: 1913  
 X-Y-Z slit-scan flow system (A), JOSA 69: 1446

## Meeting reports

- Advances in radiography, SPSE annual Fall symposium, Washington, D.C., 24 Oct 1974, Reported by Macovski, Albert, AO 14: 10**
- Aerosol measurements workshop, University of Florida, 24-26 Mar 1976, Reported by Harris, Franklin S., Jr., AO 16: 1462**
- All India symposium on applied optics and exhibition of optical instruments, Bangalore, 28-30 Nov 1974, Reported by Pappu, S. V., AO 14: 2558**
- American Association of Physicists in Medicine, 16th annual meeting, Kansas City, 28 Jul-1 Aug 1974, Reported by Gray, Joel E., AO 13: 2744**
- American Astronomical Society 142nd meeting, Univ. Nebraska, 26-29 Mar 1974, Reported by Bohlin, Ralph, AO 13: 1538**
- American Meteorological Society conference on the upper atmosphere, Atlanta, 30 Sep-4 Oct 1974, Reported by Aikin, Arthur C., AO 14: 259**
- Amorphous and liquid semiconductors, seventh international conference, Edinburgh, 27 Jun-1 Jul 1977, Reported by Vasko, A., AO 17: 335**
- Amorphous materials symposium, Boston, Oct 1973, Reported by deNeufville, John F., AO 13: 703**
- Annual meeting, OSA, Houston, 15-18 Oct 1974, Reported by Rabson, Thomas A.; Sperling, Harry G., AO 14: 257**
- Anomalous scattering, intercongress conference on, Madrid, 22-26 Apr 1974, Reported by Cowley, John M., AO 13: 1735**
- Application of optical instrumentation in medicine, SPIE technology utilization program, 3, Kansas City, 1-2 Aug 1974, Reported by Gray, Joel E., AO 13: 2744**
- Application of optical instrumentation in medicine, 4th SPIE/SPSE seminar, Atlanta, 25-27 Sep 1975, Reported by Weaver, Kenneth E.; Goodenough, David J., AO 15: 839**
- Applications of holography and optical data processing, ICO conference, Jerusalem, 23-26 Aug 1976, Reported by Lohmann, A. W., AO 16: 2**
- Atmospheric aerosols: their optical properties and effects, OSA Topical meeting, Williamsburg, 13-15 Dec 1976, Reported by Carswell, A. I., AO 16: 785**
- Atmospheric optical communication workshop, Oregon Graduate Center, 21-23 Jan 1976, Reported by McIntyre, Charles M.; Kerr, J. Richard; Titterton, Paul J., AO 16: 785**
- Atmospheric optics, OSA Technical Group meeting, Tucson, 19 Oct 1976, Reported by Rothman, L. S., AO 16: 277**
- Atmospheric optics, Rochester, 11 Oct 1973, Reported by Yates, Harold W., JOSA 64: 408**
- Atmospheric optics, Washington, 25 Apr 1974, Reported by Harris, Franklin S., Jr., AO 13: 1990**
- Atmospheric spectroscopy: an introduction, Reported by Hernandez, G.; Mankin, William G., AO 16: 3375**
- Atmospheric spectroscopy OSA topical meeting, Keystone, Colorado, 30 Aug-1 Sep 1978, Reported by Warg, Mary E., JOSA 68: 1791**
- Atomic and Molecular Science and Technology Symposium, National Bureau of Standards, 7-8 Sep 1978, Reported by Lide, David R., Jr., AO 18: 2**
- Atomic spectroscopy, second symposium, National Bureau of Standards, 23-26 Sep 1975, Reported by Ederer, D. L., AO 15: 839**
- Atomic spectroscopy, 4th international conference, and 20th Canadian spectroscopy symposium, Toronto, 29 Oct-2 Nov 1973, Reported by Winefordner, J. D., AO 13: 225**
- Atomic spectroscopy, 5th international conference, Monash University, 25-29 Aug 1975, Reported by Hieftje, Gary M., AO 14: 2779**
- Australian spectroscopy conference, 9th, Canberra, 13-17 Aug 1973, Reported by Walsh, A., AO 13: 703**
- Australian spectroscopy conference, eleventh, Brisbane, 28 Aug-1 Sep 1978, Reported by Steinfeld, Jeffrey I., AO 17: 3711**
- Automated cytology, Engineering Foundation Conference on sixth, Schloss Elmau, 23-29 April 1978, Reported by Hirschfeld, Tomas, AO 17: 2663**
- Biostereometrics 74 symposium, Washington D.C., 10-13 Sep 1974, Reported by Takasaki, Hiroshi, AO 14: 558**
- Canadian Society for Color, 4th annual meeting, Ottawa, 11-14 May 1976, Reported by Alman, David H., AO 15: 1884**
- CLEA 1973, Reported by Herriott, Donald R., AO 13: 243**
- Climatic impact assessment program, 4th conference, Cambridge, 4-7 Feb 1975, Reported by Lovell, D. J., AO 14: 1049**
- Coherence and quantum optics, Fourth Rochester Conference, 8-10 June 1977, Reported by Narducci, Lorenzo M., AO 16: 3066**
- Colloquium spectroscopicum internationale XVII, Florence, 16-22 Sep 1973, Reported by Plsko, E., AO 13: 455**
- Color: theory and imaging systems, SPSE tutorial seminar on, New York City, 20-21 Sep 1973, Reported by Voglesong, William F., AO 13: 9**
- Conservation and recovery of photographic raw materials, SPSE international summer symposium, Bloomington, 24-27 Jun 1975, Reported by Marzwell, Neville I., AO 14: 2321**
- CORM, sixth annual meeting, National Bureau of Standards, 7 June 1977, Reported by Karoli, A. R., AO 16: 2587**
- Council for Optical Radiation Measurement, fifth annual meeting, National Bureau of Standards, 2-3 Jun 1976, Reported by Karoli, A. R., AO 15: 2009**
- DGAO—German Applied Optical Society, annual meeting, Bad Ischl, 20-24 May 1975, Reported by Butters, J. N., AO 14: 2049**
- Diffraction gratings, U.S.—Japan seminar, Washington, D.C., 14-17 Oct 1975, Reported by Hunter, W. R., AO 15: 1365**
- Displays and perception of displayed information seminar series, University of Tel Aviv, 1-10 Sep 1974, Reported by Biberman, Lucien M., AO 14: 800**
- Dye sensitization, past and future, SPSE Vogel Centennial, Windham College, 27-30 Aug 1973, Reported by Tani, Tadaaki, AO 13: 6**
- Eastern analytical minisymposium, New York City, 21 Nov 1975, Reported by Wise, Warren M., AO 15: 594**
- Eastern analytical symposium, fifteenth, and twelfth national meeting of the Society for Applied Spectroscopy, New York City, 14-16 Nov 1973, Reported by Gordon, William A., AO 13: 992**
- Electrical insulation and dielectric phenomena annual conference, Varennes, 29-31 Oct 1973, Reported by Forster, E. O., AO 13: 226**
- Electrochemical Society, 143rd meeting, electronics division, Chicago, 13-18 May 1973, Reported by Huff, Howard R., AO 13: 227**
- Electronic imaging, an international symposium, Royal Society of London, 11-13 Sep 1978, Reported by Hunter, W. R., AO 17: 3710**
- Electronics division symposia, 145th Electrochemical Society Meeting, San Francisco, 12-17 May 1974, Reported by McAllister, W. A., AO 13: 2451**
- Electronics division symposia, 147th Electrochemical Society Meeting, Toronto, 11-16 May 1975, Reported by McAllister, W. A., AO 14: 2322**
- Electrophotography, 2nd international conference on, Washington, 24-27 Oct 1973, Reported by Pell, Erik M., AO 13: 12**
- Electrostatics and electrophotography sessions, IEEE/IAS annual conference, Atlanta, 29 Sep-2 Oct 1975, Reported by Emerald, Robert, AO 15: 301**
- Engineering uses of coherent optics, conference and exhibition, University of Strathclyde, 8-11 Apr 1975, Reported by Erf, Robert K., AO 14: 2028**
- European microwave conference, Hamburg, 1-4 Sep 1975, Reported by Schuenemann, K., AO 15: 4**
- Federation of Analytical Chemistry and Spectroscopy Societies, 1st meeting, Atlantic City, 18-22 Nov 1974, Reported by Griffiths, Peter R., AO 14: 256**
- Feedback control of exposure geometry in dental radiography workshop, University of Connecticut, 16 May 1978, Reported by Gordon, Richard, AO 18: 1769**
- Fibers and integrated optics, SPIE/SPSE Technical Symposium East: seminar 3, 21-23 Mar 1976, Reported by Evans, B. D., AO 15: 1664**
- Fifth holography school, Novosibirsk, 29 Jan-3 Feb 1973, Reported by Kock, Winston E.; Stroke, George W., AO 13: 11A14**
- Fine particles symposium, University of Minnesota, 28-30 May 1975, Reported by Jaenicke, R., AO 14: 2784**
- Florida Section, fall meeting, University of Miami, 4 Dec 1976, Reported by Mohon, Neil, AO 16: 533**
- Florida Section, winter meeting Brevard Community College, 29 Jan 1977, Reported by Mohon, Neil, AO 16: 1121**
- Fourier Transform Infrared Spectroscopy, Fourth International Conference, University of South Carolina, 20-24 Jun 1977, Reported by Sakai, Hajime, AO 17: 3**
- Gaseous electronics, 28th annual conference, Rolla, 21-24 Oct 1975, Reported by Zollweg, R. J., AO 15: 300**
- Gesellschaft fuer Aerosolforschung, Jahreskongress 1974, Aerosols in natural science, medicine, and technology, Bad Soden, 16-19 Oct 1974, Reported by Harris, Franklin S., Jr., AO 14: 2557**
- Gesellschaft fuer Aerosolforschung e. V., fifth annual meeting, Karlsruhe, 20-28 October 1977, Reported by Gebhart, Josef, AO 17: 1305**
- Glass, eleventh International Congress, Prague, 4-8 July 1977, Reported by Vasko, A., AO 17: 675**
- High resolution infrared spectroscopy, fourth international seminar, Liblice, 6-10 Sep 1976, Reported by Aliev, M. R.; Letokhov, Vladilen S., AO 16: 787**
- High resolution molecular spectroscopy, 2nd All-Union Symposium, Novosibirsk, 11-13 Sep 1974, Reported by Hougen, Jon T., AO 14: 8**
- High resolution molecular spectroscopy, Third All Union Symposium, 14-16 Sep 1976, Reported by Fox, Kenneth, AO 16: 276**
- High speed photography, 11th international, Congress, University of London, 15-21 Sep 1974, Reported by Courtney-Pratt, J. S., AO 14: 557**
- Image analysis and evaluation, SPSE international conference, Toronto, 19-23 Jul 1976, Reported by Frieden, B. Roy, AO 15: 2599**
- Image processing for 2-D and 3-D reconstruction from projections: theory and practice in medicine and the physical sciences, OSA topical meeting, Stanford University, 4-7 Aug 1975, Reported by Frank, J., AO 14: 2782**
- Image processing, OSA Topical Meeting, Asilomar, 24-26 Feb 1976, Reported by Tribillon, Gilbert, AO 15: 1662**
- Imaging in astronomy: OSA topical meeting, Cambridge, 18-21 Jun 1975, Reported by Wyant, James C., AO 14: 2322**
- Imaging through the atmosphere, SPIE/SPSE Technical Symposium East: seminar 1, 21-23 Mar 1976, Reported by Poultney, Sherman K.; Noll, Robert J., AO 15: 1663**
- Impact of lasers in spectroscopy seminar SPIE, San Diego, 19-23 Aug 1974, Reported by Steinfeld, Jeffrey I., AO 14: 6**
- Infrared physics, international conference, ETH Zurich, 11-15 Aug 1975, Reported by Davy, J. R., AO 14: 2781**
- Instrumentation in astronomy, 2nd SPIE seminar on, Tucson, 4-6 Mar 1974, Reported by Robinson, W. G., AO 13: 1263**
- Integrated optics, OSA/IEEE Topical Meeting, Salt Lake City, 12-14 Jan 1976, Reported by Ulrich, R., AO 15: 1363**
- INTERMAG conference, London, 14-17 Apr 1975, Reported by Myer, J. H., AO 14: 2027**
- International Commission for Optics, ICO-10, 10th congress, Prague, 25-29 Aug 1975, Reported by Vasko, A., AO 15: 595**
- International Commission for Optics, Eleventh Congress, Madrid, 10-16 September 1978, Reported by Ballard, Stanley S., AO 18: 2919**
- Inversion methods in atmospheric remote sounding: an interactive workshop, Williamsburg, 15-17 Dec 1976, Reported by Lenoble, Jacqueline, AO 16: 1120**
- Italian Physical Society, sixty-third annual meeting, Como, 26 Sep-1 Oct 1977, Reported by Righini, Giancarlo C., AO 17: 335**



- Italian Physical Society, 61st annual meeting, Lecce, 28 Oct-1 Nov 1975, Reported by Righini, Giancarlo C., AO 15: 299
- Joint measurement conference, National Bureau of Standards, 12-14 Nov 1974, Reported by Loewen, Erwin G., AO 14: 555
- Laser atmospheric studies conference, Sendai, 3-6 Sep 1974, Reported by McCormick, M. Patrick, AO 14: 797
- Laser Doppler anemometry symposium, Technical University of Denmark, 25-28 Aug 1975, Reported by Buchhave, Preben, AO 14: 2780
- Laser radar conference, eighth international, Drexel University, 6-9 June 1977, Reported by Russell, Philip B., AO 16: 2587
- Laser Radar, Seventh International Conference, Stanford Research Institute, 4-7 Nov 1975, Reported by Fuller, William H., Jr., AO 16: 3
- Laser radar studies of the atmosphere, 5th conference, Williamsburg, 4-6 Jun 1973, Reported by Harris, Franklin S., Jr., AO 13: 1539
- Laser recording and information handling, SPIE 18th Annual Technical Meeting, San Diego, 19-23 Aug 1974, Reported by Schreiber, William F., AO 13: 2456
- Laser Remote Sensing for Air Pollution Measurements; First German Lidar Conference, Essen, 9-11 Oct 1974, Reported by Werner, Ch., AO 14: 796
- Lasers for hydrographic studies, NASA conference on, Wallops Island, 12 Sep 1973, Reported by Measures, Raymond M., AO 13: 8
- Lasers in chemistry conference, Royal Institution, 31 May-2 June 1977, Reported by West, Michael A., AO 16: 2346
- Lens design, international conference, Haverford College, 23-27 Jun 1975, Reported by Sweet, Robert; Sherman, Bennett, AO 15: 302
- Light scattering in solids, 3rd international conference, Campinas, 28 Jul-1 Aug 1975, Reported by Perry, Clive H., AO 15: 5
- Liquid crystal conference, 5th international, Stockholm, 16-21 Jun 1974, Reported by Haas, Werner E. L., AO 13: 2452
- Liquid crystals, sixth international conference, Kent State University, 23-27 Aug 1976, Reported by Haas, Werner E. L., AO 16: 2
- Low light and thermal imaging systems, IEE international conference, London, 3-5 Mar 1975, Reported by Marshall, Gerald F., AO 14: 2029
- Low light level devices for science and technology, SPIE/SPSE Technical Symposium East: seminar 4, 21-23 Mar 1976, Reported by Sobieski, Stanley, AO 15: 1665
- Magnetism and magnetic materials, 20th annual conference, San Francisco, 3-6 Dec 1974, Reported by Hughes, G. F., AO 14: 554
- Magnetism and magnetic materials, 21st annual conference, Philadelphia, 9-12 Dec 1975, Reported by Kern, Sanford, AO 15: 1103
- Measurement of gas properties: comments on the laser Raman workshop, Reported by Lapp, Marshall; Penney, C. M., AO 13: 9A14
- Medical x-ray photo-optical systems evaluation, Columbia, 21-23 Oct 1974, Reported by Biberman, Lucien M., AO 14: 9
- Meteorological optics OSA topical meeting, Keystone, Colorado, 28 Aug-1 Sep 1978, Reported by Warga, Mary E., JOS A 68: 1791
- Meteorological optics, topical meeting, Keystone, 28-29 Aug 1978, Reported by Harris, Franklin S., Jr., AO 18: 583
- Microbeam Analysis Society, 9th annual conference, Carleton University, 22-26 Jul 1974, Reported by Kane, W. T., AO 14: 798
- Molecular spectroscopy, sixth conference, University of Durham, 30 Mar-2 Apr 1976, Reported by Hallam, H. E., AO 15: 2009
- Molecular spectroscopy, 12th European congress, Strasbourg, 1-4 Jul 1975, Reported by Perry, Clive H., AO 15: 7
- Molecular structure and spectroscopy, 29th symposium, Columbus, 10-14 Jun 1974, Reported by Kirchhoff, W. H.; Johnson, D. R., AO 13: 2185
- New England bioengineering conference, 2nd annual, Worcester, 29-30 Mar, 1974, Reported by Driscoll, Walter G., AO 13: 1584
- New England Section meeting, Optical Society of America, North Brookfield, 28 Sep 1973, AO 13: 10
- Northwest Optical Society, Mt. Hood, 8 Dec 1978, Reported by Meyer-Arendt, Jurgen R., AO 18: 582
- Optical aspects of oceanography, symposium, Copenhagen, 19-23 Jun 1972, Reported by Harris, Franklin S., Jr., AO 13: 1538
- Optical aspects of oceanography, symposium (errata), AO 13: 1955
- Optical coatings, application and utilization, SPIE 18th Annual Technical Meeting, San Diego, 19-23 Aug 1974, Reported by Austin, R. Russel, AO 13: 2454
- Optical communication, Fourth European Conference, Genoa, 12-15 Sep 1978, Reported by Righini, Giancarlo C., AO 18: 1
- Optical computing conference, international, Zurich, 9-11 Apr 1974, Reported by Casasent, David, AO 13: 2450
- Optical Computing, 3rd International Conference, Washington, D.C., 23-25 Apr 1975, Reported by Kock, Winston E.; Stoke, George W., AO 14: 2785
- Optical conference in GDR, First National, Jena, 26-30 June 1978, Reported by Kloze, E.; Letokhov, Vladilen S., AO 18: 258
- Optical fabrication and testing workshop, San Francisco region, 14-15 Mar 1975, Reported by Wallerstein, Edward Perry, AO 14: 2049
- Optical fabrication and testing workshop, Orlando, 17-18 February 1978, Reported by Mohon, Neil, AO 17: 1658
- Optical fiber communications systems: twenty-third International Scientific Congress on Electronics, Rome, 22-24 Mar 1976, Reported by Righini, Giancarlo C., AO 15: 2291
- Optical information processing, ICO conference, Sydney, 19-21 Aug 1974, Reported by McNeill, J. J., AO 14: 260
- Optical information processing, second U.S.-U.S.S.R. Science Cooperation Seminar, Novosibirsk, 10-16 July 1976, Reported by Kock, Winston E.; Nesterikhin, Yu. E.; Stroke, George W., AO 16: 3066
- Optical instrumentation in medicine, 2nd SPIE technology utilization program on application of, Chicago, 29-30 Nov 1973, Reported by Gray, Joel E., AO 13: 702
- Optical interference coatings, OSA Topical Meeting, Asilomar, 24-26 Feb 1976, Reported by Thelen, Alfred J., AO 15: 1363
- Optical interferometry in experimental gasdynamics, European mechanics colloquium 55, Bochum, 25-26 Mar 1974, Reported by Veret, C.; Merzkirch, Wolfgang, AO 14: 801
- Optical methods in energy conversion, SPIE seminar-in-depth, Rochester, 23-25 Jun 1975, Reported by Schott, G. L., AO 14: 2784
- Optical propagation through turbulence, OSA topical meeting, Boulder, 9-11 Jul 1974, Reported by Bufton, Jack L., AO 13: 2453
- Optical properties of highly transparent solids, an international conference, Waterville Valley, New Hampshire, 3-5 Feb 1975, Reported by Mitra, S. S.; Bendow, Bernard, AO 14: 1473
- Optics in diagnostic medicine, Tucson, 9-11 Jan 1974, Reported by Gray, Joel E., AO 13: 991
- Optics of Guided Waves, Colloquium, Paris, 8-11 Apr 1975, Reported by Ostrowsky, D. B., AO 14: 1473
- Optics of the sea (interface and inwater transmission and imaging), NATO AGARD lecture series no. 61, Miami, 17-21 Sep 1973, Reported by McCluney, W. R., AO 13: 8
- OSA, annual meeting, Boston, 21-24 Oct 1975, Reported by Lovell, D. J., AO 15: 299
- OSA, annual meeting, Rochester, 9-12 Oct 1973, Reported by Swindell, William, AO 13: 11
- OSA annual meeting, San Francisco, 30 Oct-3 Nov 1978, Reported by Harris, Franklin S., Jr., AO 18: 977
- OSA Florida Section, fall meeting, University of Miami, 5 Nov 1977, Reported by Gordon, Howard R., AO 17: 677
- OSA Florida Section, spring meeting, Florida Technological University, 1 May 1976, Reported by Mohon, Neil, AO 15: 1884
- OSA Florida Section, spring meeting, 7 May 1977, Reported by Mohon, Neil, AO 16: 2024
- OSA Florida section, winter meeting, University of Miami, 24 Jan 1976, Reported by Mohon, Neil, AO 15: 1103
- OSA Florida Section, winter meeting, Florida Atlantic University, 27 Jan 1979, Reported by Lipofsky, B., AO 18: 1283
- OSA, Spring conference, Anaheim, 19-21 Mar 1975, Reported by Meier, Rudolf H., AO 14: 1250
- OSA, Spring meeting, Washington, 21-25 Apr 1974, Reported by DuPre, Elsie; Blodgett, Jerry; Sica, Louis, AO 13: 1983
- Photopolymer conference, third: photopolymers—principles processes and materials, Ellenville, 24-26 Oct 1973, Reported by Bowden, Murrae J., AO 13: 456
- Physics of image recording and reproducing, APS-NYS Fall meeting, Rochester, 10-11 Oct 1975, Reported by Benton, Stephen A., AO 15: 594
- Pittsburgh conference on analytical chemistry and applied spectroscopy, Cleveland, 4-8 Mar 1974, Reported by Warga, Mary E., JOS A 64: 1028
- Properties of electrodeposits, Electronics Division symposia, Electrochemical Society, 13-17 Oct 1974, Reported by McAllister, W. A., AO 14: 556
- Radiation and remote probing of the atmosphere, International conference on, UCLA, 28-30 Aug 1973, Reported by Bullrich, Kurt, AO 13: 7
- Raman spectroscopy, fifth international conference, Freiburg i. Br., 2-8 Sep 1976, Reported by Green, J. H. S., AO 16: 1
- Remote sensing in oceanography, symposium on, Walt Disney World, 2-5 Oct 1973, Reported by McCluney, W. R., AO 13: 10
- Rowland-Wood symposium: 100 years of physical optics, Johns Hopkins University, 20-21 Nov 1975, Reported by Silverman, Shirleigh, AO 15: 592
- Scanners and imagery systems for earth observation, SPIE 18th Annual Technical Meeting, San Diego, 19-23 Aug 1974, session 2, Reported by Mesner, Max H., AO 13: 2455
- Scanners and imagery systems for earth observation seminar, SPIE, San Diego, 19-23 Aug 1974, Reported by Mesner, Max H., AO 14: 7
- Science and the future Navy symposium, Washington, D.C., 27-28 Oct 1976, Reported by Silverman, Shirleigh, AO 16: 533
- Semiconductor laser conference, 4th IEEE international, Atlanta, 18-20 Nov 1974, Reported by Dumke, W. P., AO 14: 555
- Sensing of environmental pollutants, 2nd joint conference on, Washington, 10-12 Dec 1973, Reported by Melfi, S. Harvey, AO 13: 701
- Silicon materials science and technology symposium, 2nd International, Chicago, 13-18 May 1973, AO 13: 993
- Society for Information Display, international symposium and exhibition, Washington D.C., 22-24 Apr 1975, Reported by Biberman, Lucien M., AO 14: 2026
- Society for Information Display, international symposium and exhibition, Washington D.C., 22-24 Apr 1975: comments on the report by L. M. Biberman, Reported by Cohen, Roger W., AO 14: 2788
- Society for Information Display, international symposium and exhibition, Washington D.C., 22-24 Apr 1975: reply to comments on the report by L. M. Biberman, Reported by Biberman, Lucien M., AO 14: 2788
- Society for Information Display, international symposium, Beverly Hills, 4-6 May 1976, Reported by Channin, D. J., AO 15: 2290
- Solar radiation measurements and instrumentation, Smithsonian symposium, Rockville, 13-15 Nov 1973, Reported by Hickey, John R., AO 13: 1262
- Solar radiation seminar, Naval Research Laboratory, 16 May 1978, Reported by Hunter, W. R.; Koomen, M. J., AO 17: 2263
- Speckle phenomena in optics, microwaves, and acoustics, OSA Topical Meeting, Asilomar, 24-26 Feb 1976, Reported by Pearson, James E., AO 15: 1362
- Structure and excitations of amorphous solids, an international conference, Williamsburg, 25-27 Mar 1976, Reported by Brodsky, M. H., AO 15: 1662
- Study of comets, IAU colloquium 25, NASA Goddard Space Flight Center, 28 Oct-1 Nov 1974, Reported by A'Hearn, Michael F., AO 14: 256
- Submillimeter waves and their applications, international conference on, Georgia Inst. of Tech., 5-7 Jun 1974, Reported by Palik, E. D., AO 13: 1985
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Mellin transforms

Coherent optical implementation of 1-D Mellin transforms (TE) (L), AO 16: 2609

Space—bandwidth product and accuracy of the optical Mellin transform (T) (L), AO 16: 1472

Space-variant ambiguity function processor (TE), AO 18: 1869

Mercury

Analysis of the hyperfine structure of the mercury  $6^3D_5$  yields  $6^3P_2$  transition (E), JOSA 65: 1413

Colorimetric significance of mercury-emission lines in fluorescent lamps (T), JOSA 65: 1354

Ellipsometry at a spherical object and its application to the determination of the optical constants of mercury from the mercury-air interface (E) (L), JOSA 69: 484

Isotope shift of 47-day  $^{203}\text{Hg}$  (T), JOSA 65: 1

Measurement of excitation cross section of the  $^3P_1$  state of Hg using self-calibrating apparatus (TE), JOSA 69: 150

Meteorology

See also Atmospheres, Atmospheric optics, Planets, Temperature, Temperature profiles, Visibility, Winds

Aerosol measurements in the marine boundary layer at San Diego (A), JOSA 68: 540

American Meteorological Society conference on the upper atmosphere, Atlanta, 30 Sep-4 Oct 1974 (M), Reported by Aikin, Arthur C., AO 14: 259

Angular scattering and rainbow formation in pendant drops (TE), JOSA 69: 1083

Angular scattering and rainbow formation in pendant drops (TE), JOSA 69: 1195

Arcs associated with halos of unusual radii (T), JOSA 69: 1093

Arcs of Lowitz (T), JOSA 69: 1103

Automated multiwavelength sunphotometer and its use in aerosol/climatic studies (A), JOSA 68: 1358

Carbon dioxide coherent propagation through the marine boundary layer (A), JOSA 68: 541

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Cloud-base water content measurement using single wavelength laser-radar data (TE), AO 14: 2873

Complex angular momentum theory of the rainbow and the glory (T), JOSA 69: 1068

Complex angular momentum theory of the rainbow and the glory (T), JOSA 69: 1193

Erbium laser ceilometer (P), AO 16: 2341

Estimation of atmospheric turbidity from the burned traces of the Campbell-Stokes sunshine recorder (T), AO 17: 2617

Examination of scaling laws for  $C_T^2$  in the layer adjacent to ocean waves (A), JOSA 68: 539

Expected lidar return from tornado clouds (T) (L), AO 15: 2958

Fire Came By. By John Baxter and Thomas Atkins (B), Reviewed by Howard, John N., AO 16: 3065

Frequency analysis of the circumzenithal arc: Evidence for the oscillation of ice-crystal plates in the upper atmosphere (T), JOSA 69: 1119

Geometry of halo formation (T), JOSA 69: 1122

Geometry of halo formation (T), JOSA 69: 1196

Inversion of optical data to obtain a micrometeorological temperature profile (E), AO 18: 1715

Inversion techniques for determining the droplet size distribution in clouds: numerical examination (T), AO 15: 378

Lidar plume dispersion measurements (A), JOSA 68: 1434

Marine boundary layer refractive effects in the infrared (E) (L), AO 18: 2532

Measurement of rain parameters by optical scintillation (ET), AO 16: 2236

Measurement of rain parameters by optical scintillation: computer simulation of the correlation method (T), AO 16: 3176

Measurements of altitude dependence of atmospheric turbulence (A), JOSA 68: 539

Meteorological influence on aerosol extinction in the 0.2-40- $\mu\text{m}$  wavelength range (T), AO 18: 3457

Meteorological Optics feature issue foreword (August 1979) (N), JOSA 69: IV

Micrometeorological temperature profiles deduced by the inversion of optical data (A), JOSA 64: 1391

Nimbus-6 earth radiation budget experiment (E), AO 16: 306

Nonlinear propagation through fog (A), JOSA 68: 541

Observational results on marine fog related variation of small-scale turbulence parameters ( $C_T^2$  and  $\epsilon$ ) (A), JOSA 68: 539

Observation of atmospheric parameters from satellites (A), JOSA 64: 550

Observations of the marine inversion with a shipboard acoustic sounder (A), JOSA 68: 539

Office for Climate Dynamics, National Science Foundation (N), AO 14: 362

Operational capabilities of meteorological satellites (A), JOSA 64: 550

Optical transmission in the atmosphere over the ocean (A), JOSA 68: 1366

Optical velocimeter for precipitation (A), JOSA 68: 541

Origins of anhelic arcs, the anhelic pillar, and the anhelion (TE), JOSA 69: 1107

Origins of anhelic arcs, the anhelic pillar, and the anhelion (TE), JOSA 69: 1195

Polarization models of halo phenomena. I. The parhelic circle (T), JOSA 69: 1100

Pressure sensing of the atmosphere by solar occultation using broadband  $\text{CO}_2$  absorption (T), AO 18: 1950

Raman-lidar humidity sounding of the atmospheric boundary-layer (E), AO 18: 1141

Record low temperatures at South Pole in 1976 (N), AO 16: 2327

Relations between aerosol characteristics at sea and meteorological phenomena (A), JOSA 67: 257

Remote sensing of the troposphere by active optical techniques (A), JOSA 64: 550

Simple solution for obtaining a temperature profile from the inferior mirage (TE), AO 18: 1724

Simplified optical path-averaged rain gauge (TE), AO 17: 384

Stratospheric temperature and pressure determinations from an OH fluorescence lidar instrument (T), AO 18: 1710

Temperature sounding from the absorption spectrum of  $\text{CO}_2$  at 4.3  $\mu\text{m}$  (TE), AO 16: 2661

Tethered balloon-based measurements of aerosol concentration and meteorological parameters (A), JOSA 67: 256

Theory of the rainbow (T), JOSA 69: 1089

Unusual solar halo complex (E) (L), JOSA 69: 1178

Vertical inhomogeneity in atmospheric fog and haze and its effects on infrared extinction (A), JOSA 68: 540

Visibility and liquid-water content of fogs (A), JOSA 68: 540

Water vapor differential absorption lidar development and evaluation (E), AO 18: 3474

What size of ice crystals causes the halos? JOSA 69: 1112

Methane

Application of pulsed-source spectrophone to absorption by methane at DF laser wavelengths (E) (L), AO 15: 2970

Continuously tunable IR lidar with applications to remote measurements of  $\text{SO}_2$  and  $\text{CH}_4$  (E), AO 17: 3555

Differential optoacoustic detector of methane using a He-Ne 3.39 $\mu\text{m}$  gas laser (A), JOSA 67: 1441

High-resolution coherent Raman Stokes spectroscopy of methane and intensity versus pressure (A), JOSA 68: 627

High-resolution methane  $\nu_3$ -band spectra using a stabilized tunable difference-frequency laser system, JOSA 66: 97

Hyperfine splitting of the  $^{13}\text{CH}_4$  line at 3.39  $\mu\text{m}$  observed by laser-saturated absorption (E), OL 4: 214

Infrared methane spectra between 1120  $\text{cm}^{-1}$  and 1800  $\text{cm}^{-1}$ : a new atlas (ET), AO 18: 3798

Profile measurements of  $\text{CH}_4$  saturated absorption using  $\text{CH}_4$  stabilized laser spectrometer (A), JOSA 68: 1403

Remote measurement of HCl,  $\text{CH}_4$ , and  $\text{N}_2\text{O}$  using a single-ended chemical-laser lidar system (ET), AO 15: 3140

Metric system

Consumer booklet (N), AO 13: 3A17

Conversion problems (N), AO 13: 8A11

Conversion tables (N), AO 16: A12

Decimal Society criticisms (N), AO 14: A171

English system problems (N), AO 14: A63

From the Editor (N), AO 14: A11

From the Editor (N), AO 15: A11

From the Editor (N), AO 15: A39

From the Editor (N), AO 16: A49

From the Editor (N), AO 17: A131

From the Editor (N), AO 18: 3071

From the Editor (N), AO 18: A257

Guide (N), AO 14: 512

Household conversion (N), AO 14: A155

International (SI) Metric System and How it Works. By R. A. Hopkins (B), Reviewed by Howard, John N., JOSA 66: 80

Kilograms and newtons (N), AO 16: 280

Kitchen problems (N), AO 14: A185

Le Systeme Metrique. By H. Moreau (B), Reviewed by Howard, John N., AO 15: 1110

Meter, metre . . . (N), AO 14: A89

Metric conference, Anaheim, 27 Apr 1974 (N), AO 13: 987

Metric system, comments (N), AO 17: A131

Metric time (N), AO 17: 1636

NBS sheet (N), AO 13: 3A17

New publication, Metric News (N), AO 13: 3A16

Present status of adoption in the United States (N), AO 17: A65

Spelling of metric terms (N), AO 13: 6A11

Spelling of metric terms (N), AO 13: 7A11

Spelling standardization (N), AO 13: 5A11

Temperature scales (N), AO 16: A67

U.S. dragging its feet as it inches toward metrication (N), AO 18: 1105

Metrology

See specific applications

Absolute distance measurements by  $\text{CO}_2$  laser multiwavelength interferometry (TE), AO 18: 225

Accuracy considerations in laser velocimetry (A), JOSA 66: 1129

Active annular-beam laser autocollimator system (E), AO 14: 1890

Analysis of a system for hologram interferometry with a continuously scanning reconstruction beam, AO 16: 2535

Analytical procedure for determining lengths from fractional fringes (T), AO 16: 1857

Apparatus for measuring pitch of precision lead-screw by light-wave interference (P), AO 14: A104



- Apparatus for measuring the dimension of an object (P), AO 13: 220
- Application of precision laser metrology to problems of geophysical interest (A), JOSA 66: 1129
- Applications of frequency spectra measurements to metrology (A), JOSA 66: 1129
- Aspheric profile gauging using a bootstrap data interpretation technique (E), AO 18: 1064
- Automatic geometric measurements of single-mode and multimode optical fibers (E), AO 18: 402
- Ballistic range model detection system (E), AO 15: 1869
- Beam alignment technique using linear arrays (A), JOSA 69: 1405
- Brewster angle for determining angular velocity and light beam incidence angles (P), AO 13: 2439
- Calibration of radiation instruments for the measurement of the radiant flux of an arbitrary source (TE), AO 16: 302
- Coherent optical correlation study of surface displacements (A), JOSA 67: 1365
- CORM, sixth annual meeting, National Bureau of Standards, 7 June 1977 (M), Reported by Karoli, A. R., AO 16: 2587
- Determining absolute thermal expansion of titania-silica glasses: a refined ultrasonic method (E), AO 14: 2099
- Displacement measuring device using diffraction grating (P), AO 13: 8A26
- Distance measuring based on caustics (T), AO 16: 722
- Dithered-beam metrology (E) (L), AO 17: 3865
- Dividing, Ruling, and Mask Making. By D. F. Horne (B), Reviewed by Simpson, John A., AO 14: 2308
- Electromagnetic field components: their measurement using linear electrooptic and magnetooptic effects (TE), AO 14: 2712
- Envelope interferometry for large-scale processing (T), AO 13: 2689
- Fiber-optical sensing of pressure and temperature (A), JOSA 68: 1384
- Fiber optic lever displacement transducer (TE), AO 18: 3230
- Fiber-optic sensing of pressure and temperature (TE), AO 18: 1445
- Field-emission-diode optical mixer (A), JOSA 67: 1398
- Flow tracing fidelity of scattering aerosol in laser Doppler velocimetry (ET), AO 14: 894
- Frequency measurement above 100 THz with point-contact diodes (A), JOSA 67: 1398
- Handbook of Optics. Edited by Walter G. Driscoll and William Vaughan (B), Reviewed by Wright, W. D., AO 18: 416
- Heterodyne profilometer for measuring surface microstructure (A), JOSA 69: 1404
- High accuracy distance measurement by two-wavelength pulsed laser sources (E), AO 18: 3035
- High accuracy laser power measurements: a scale comparison (E), AO 18: 1937
- High angular resolution sensor (P), AO 14: 1747
- High-speed dimensional gauging using linear diode arrays (A), JOSA 65: 1211
- High-speed noncontact fiber-diameter measurement using forward light scattering (E), AO 16: 2395
- Hologram repositioning by an interferometric technique (ET), AO 18: 3838
- Holographic determination of rigid-body motions, and application of the method to orthodontics (T), AO 18: 1442
- Holographic interferometry technique utilizing two plates and relative fringe orders for measuring micro-displacements (E), AO 13: 231
- Image mensuration by maximum *a posteriori* probability estimation (TE), JOSA 68: 157
- Immersible probe for optical dual beam-measuring apparatus (P), AO 18: 3221
- Interferometers for fluid flow measurements (P), AO 14: 1043
- Interferometric angular measurement (E), AO 13: 1646
- Interferometric measurement of thermal expansion (E) (L), AO 17: 682
- Interferometric method of measuring plotter distortion (ET) (L), AO 13: 1549
- Interferometric recording of the deflections of towers and telescopes (E), AO 14: 885
- Joint measurement conference, National Bureau of Standards, 12-14 Nov 1974 (M), Reported by Loewen, Erwin G., AO 14: 555
- Knife-edge profiling of Q-switched Nd:YAG laser beam and waist (E) (L), AO 18: 599
- Knife-edge scanning measurements of subwavelength focused light beams (ET), AO 16: 1971
- Laser beam attitude control device (P), AO 13: 977
- Laser diffraction study of diatoms (A), JOSA 66: 1135
- Laser heterodyne correlation processing of optical thickness irregularities in transparencies (E), AO 17: 3402
- Laser heterodyne interferometer for measuring biological motions. II. Phase tracking detection system (A), JOSA 68: 1390
- Laser heterodyne interferometer for measuring biological motions. I. Optical system with fiber-optical probe (A), JOSA 68: 1390
- Laser scanning system for roller bearing quality assurance (A), JOSA 66: 387
- Measurement methods for electrical and optical pulse waveforms, NBS (N), AO 14: 3072
- Measurement of the velocity of blood flow (in vivo) using a fiber optic catheter and optical mixing spectroscopy (E), AO 14: 189
- Measurement of three-dimensional displacements by scanning a double-exposure hologram (E), AO 13: 1337
- Measuring and controlling the thickness of a filament (P), AO 13: 7A26
- Measuring the complete surface strain field on rubber structures using an optical method (E), AO 16: 504
- Measuring total film thickness: an experimental procedure (TE) (L), AO 14: 1255
- Method of measuring irregularities in the evenness of surfaces (P), AO 15: 2944
- Moire and higher grating harmonics (ET), JOSA 65: 685
- Moire optical transducer (P), AO 18: A115
- Moire strain analysis in cryogenic environments (E) (L), AO 18: 1886
- Optical angle measuring system (P), AO 13: 1976
- Optical design for fiber optic diameter measurement instrument (A), JOSA 66: 1123
- Optical measurements of energy transport in laser plasmas (A), JOSA 69: 1408
- Optical measurements of liquid film profile and dynamic contact angle (E) (L), AO 14: 1764
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- Optical noncontacting surface sensor for measuring distance and angle of a test surface (P), AO 14: 2549
- Optical processing techniques in the quality control of micromechanics (E), AO 17: 911
- Optical three-dimensional surveying instrument (A), JOSA 66: 1123
- Optimal patterns for alignment (T), AO 13: 659
- Photoelectronic precision logarithmic light meter (E), AO 17: 138
- Precise interferometric laser-wavelength measurements: progress report (A), JOSA 66: 1099
- Precision measurements grants awarded National Bureau of Standards (N), AO 17: 854
- PROBE: a new technique for measuring the density profile of a specific constituent using counterpropagating laser pulses (T), AO 16: 3016
- Profile measurement using projection of running fringes (E), AO 17: 2930
- Pulsed GaAs laser terrain profiler, AO 17: 868
- Real-time noncontacting distance measurement using optical triangulation (E), AO 15: 2821
- Recording slope and curvature contours of flexed plates using a grating shearing interferometer (TE), AO 16: 2504
- Refractometry of fluids in microscopic tubes (A), JOSA 67: 1364
- Remote measurement of distance and thickness using a deflected laser beam (TE), AO 15: 1432
- Requirements for reflection standards and the measurement of their reflection values (ET), AO 14: 493
- Ronchi gratings for small linear measurements (E) (L), AO 13: 740
- Roughness measurements of metal surfaces using laser speckle (E), JOSA 67: 1171
- Scanning differential photoelectric autocollimator (P), AO 17: 2260
- Shearing interferometry in polar coordinates (TE), JOSA 64: 1606
- Sighting goniometer (P), AO 15: 1345
- Soviet-National Bureau of Standards cooperation (N), AO 18: 552
- Speckle methods for the display of motion paths (TE), JOSA 66: 1271
- Speckle motions induced by rigid-body movements in free-space geometry: an explicit investigation and extension to new cases (TE), AO 18: 2022
- Spectral analysis and cross-correlation techniques for photon counting measurements on fluid flows (TE), AO 14: 778
- Superposition fringes as a measuring tool in optical testing (TE), AO 18: 2364
- Surface profile measurement and angular deflection monitoring using a scanning laser beam: a noncontact method (ET), AO 17: 3284
- Surface roughness measurement by two wavelength holographic interferometry (T), AO 13: 1085
- Techniques for measurement of small displacements: ac or dc (A), JOSA 66: 1129
- Temperature dependent response of optical radiation measurement instrumentation (E), AO 16: 2968
- Thermal expansion ultraprecise measurements (E) (L), AO 16: 1804
- Three-dimensional real-time measurements of ultrasonic waves in transparent solids (E), AO 17: 2686
- Two-frequency laser interferometer for small displacement measurements in a low frequency range (ET), AO 18: 219
- Ultrasonic waves: their interferometric measurement and display (E), AO 15: 1499
- U.S./U.S.S.R. Joint Commission working group on metrology (N), AO 17: 2574
- Varifocal moire zone plates for straightness measurement (TE), AO 16: 2445
- Wavelength meter (A), JOSA 66: 384
- White light methods in engineering metrology (A), JOSA 69: 1418

## Mexico

Optical publication (N), JOSA 66: 1455

## Microscopes

- See also Lenses, Microscopy
- Abbe type condenser (P), AO 17: 1471
- Achromatic applanatic condenser with N.A. at 1.30 (P), AO 17: 1476
- Applanatic grazing incidence x-ray microscopes: design and performance (T), AO 15: 3094
- Apochromatic objective lens (P), AO 15: 833
- Applications in ophthalmology for the scanning mirror microscope (A), JOSA 69: 1446
- Bi-modal illuminator using liquid crystal cell (P), AO 18: 3718
- Block Engineering virometer: an optical microscopic instrument for observation, measurement, and classification of individual virions (A), JOSA 65: 1170
- Comparison microscope (P), AO 17: 1472
- Depth of field in the scanning microscope (T), OL 3: 115
- Diffraction images of truncated triangular wave objects formed by a polarizing microscope with crossed polarizers (T) (L), AO 13: 1768
- Dual magnification microscope (P), AO 15: 832
- Effect of spherical aberration on the imaging properties of scanning optical microscopes (TE), AO 18: 1058
- Eyeiece, with a reduced Petzval sum and covering a wide field (P), AO 13: 2961
- Five component microscope eyepiece (P), AO 15: 832
- Five-element flat-field microscope objective for 10x and NA of 0.25 (P), AO 18: 3358
- Five member oil immersion objective (P), AO 15: 834
- Fluorescence polarization microscope for automatic screening of membrane fluidity of individual cells (E), AO 16: 564
- Handbook of Optics. Edited by Walter G. Driscoll and William Vaughan (B), Reviewed by Wright, W. D., AO 18: 416
- Hand-held photomicroscope (P), AO 14: 1458
- Illumination equipment (P), AO 14: 1459
- Impasses in applied optics (R), JOSA 64: 123
- Incident light illumination instrument for selective light and dark field illumination (P), AO 16: 279



- Interchangeable condenser (P), AO 13: 1977  
 Inverted (P), AO 18: 3714  
 Laser fusion microballoon characterization using a single-pass air interference microscope (A), JOSA 67: 1386  
 Laser scanning microscope for pyroelectric display in real time (ET), AO 15: 2150  
 Long working-distance objective lens (P), AO 18: 3718  
 Measurement of second-order coherence in a light beam using a microscope and a grating (E), AO 16: 558  
 Metallurgical objective (P), AO 15: 832  
 Method for evaporating, destroying, exciting and/or ionizing specimen material limited to micro-regions (P), AO 15: 9  
 Microscope adaptable to various observing methods (P), AO 18: 3346  
 Microscope adapted for the generation of various contrast types: theory and experiment (TE), AO 16: 2215  
 Microscope adapted for the generation of various contrast types: theory and experiment (errata), AO 17: 328  
 Microscope having a photometer (P), AO 14: 2550  
 Microscope objective (P), AO 17: 1472  
 Microscope objective (P), AO 18: 2091  
 Microscope objective adjustable for cover-glass thickness (P), AO 17: 1476  
 Microscope objective, flat-field, for a single laser wavelength (P), AO 17: 1475  
 Microscope objective high-aperture, flat-field type (P), AO 17: 1475  
 Modulation contrast and coherence theory (T), AO 15: 2385  
 Modulation-contrast microscope (A), JOSA 64: 1393  
 New brochure describing microscopes, photomicrographic attachments and accessories for scientific applications (N), AO 18: 732  
 Nonlinear optical microscope using second harmonic generation (L), AO 14: 247  
 Objective, flat field, of 40 $\times$  and 0.66 N.A. (P), AO 15: 2296  
 Objective flat-field of high magnification and aperture (P), AO 14: 1041  
 Objective for use with telescope objective (P), AO 17: 1475  
 Objective magnification 40 $\times$ , N.A. 0.66 (P), AO 15: 325  
 Objective of 40 $\times$  (P), AO 15: 834  
 Objectives (P), AO 16: 1815  
 Objective with anastigmatic flat field, magnification 40 $\times$ , N.A. 0.66 (P), AO 15: 325  
 Objective with large working distance and flat field (P), AO 13: 2960  
 Oil dispenser for microscope objective (P), AO 15: 1358  
 Oil-immersion substage condenser (P), AO 15: 1347  
 Oil immersion 100 $\times$ , with 3 fluorite and 1 alum element (P), AO 15: 1347  
 Optical Surfaces: Aspherical Optical Systems, X-Ray Optics, Reflecting Microscopes, Reflectors, Measurements. By Bohumil Jurek (B), Reviewed by Schulz, Guenter, AO 16: 2337  
 Parfocal low-magnification microscope objective lens systems (P), AO 17: 1473  
 Phase imaging in scanning optical microscopes (A), JOSA 69: 1443  
 Polarizing attachment for microscopes having inclined binocular eyepiece (P), AO 18: 3891  
 Polarizing, method to correct extinction (P), AO 14: 3  
 Quantitative surface topography determination by Nomarski reflection microscopy. I. Theory (T), JOSA 69: 357  
 Resolution of a microscope: improvement using a centrally obstructed condenser aperture and a semitransparent  $\Pi$ -phase annular aperture objective system (T), AO 15: 1341  
 Scanning acoustical microscope (A), JOSA 68: 1451  
 Scanning acoustic microscope (A), JOSA 64: 1292  
 Scanning microscope (A), JOSA 68: 1407  
 Scanning slit microscope for optical sectioning (A), JOSA 68: 1382  
 Simple bifocus element for microscope objectives (ET) (L), AO 16: 549  
 Simple 5-element flat-field microscope objective with N.A. 0.45 and 20  $\times$  magnification (P), AO 18: 2606  
 Simple piezoelectric knife-edge scanner (A), JOSA 69: 1418  
 Stand, plastic of triangular construction and low cost (P), AO 15: 2297  
 Stereomicroscope (P), AO 14: A104  
 Stereoscopic microscopy (P), AO 14: 1043  
 Stereo television microscope (P), AO 14: 1041  
 Stereo with parallel eyepieces but converging vision (P), AO 13: 1977  
 Superresolution microscope using electrical superposition of holograms (E), AO 13: 406  
 Two-point resolution of a microscope: effect of nonuniform and nonsymmetric illumination using a semitransparent  $\pi$ -phase annular aperture (T), AO 16: 2460  
 Zoom system (P), AO 13: 1977  
 Zoom type focusing (P), AO 18: 3255
- ### Microscopy
- See also Microscopes, Photomicrography, and specific applications  
 Achromatization of zone plates for x-ray microscopy (A), JOSA 69: 1485  
 Advances in Optical and Electron Microscopy, Volume 6. Edited by R. Barer and V. E. Cosslett (B), Reviewed by Lieberman, A. G., AO 15: 2606  
 Advances in Optical and Electron Microscopy, Volume 6. Edited by R. Barer and V. E. Cosslett (B), Reviewed by Skillman, David C., JOSA 67: 574  
 Apparatus for adapting a reflex camera to use with a monocular microscope (P), AO 14: 1241  
 Assessment of surface roughness by x-ray scattering and differential interference contrast microscopy (ET), AO 18: 236  
 Coherent UV sources for photoelectron microscopy (A), JOSA 66: 1098  
 Computations of imagery in partially coherent light (A), JOSA 67: 1367  
 Concave annular mirror at bottom of microscope objective to illuminate opaque object (P), AO 18: 4005  
 Development of a holocamera for 3-D microscopy of the unanesthetized human eye (A), JOSA 68: 1382  
 Differential phase contrast with an extended illumination source (T), JOSA 66: 813  
 Direct illumination apparatus for light and dark field illumination (P), AO 18: 2092  
 Equivalence of annular source and dynamic coherent phase-contrast viewing systems (A), JOSA 65: 1167  
 Fast scanning microspectroscopy: an electrodynamic moving-condenser method (E), AO 15: 2554  
 High magnification optical apparatus with rotatable reflective lenticulated surface (P), AO 18: 750  
 High-path-difference optical compensator: its use in the observation of solid-solid phase transformations (E), AO 14: 1664  
 Holographic interferometric microscopy of crystalline materials (A), JOSA 64: 563  
 Holographic interferometric microscopy applied to the study of diffusion mechanisms in polymeric systems (A), JOSA 64: 1381  
 Holographic interferometric microscopy of polymer crystallization (E), AO 13: 2263  
 Holographic microscope with suppression of coherent noise (P), AO 15: 1359  
 Holographic microscopy (E), AO 17: 944  
 Holographic motion pictures of microscopic plankton (E), AO 17: 951  
 Holographic simulation of phase contrast (A), JOSA 68: 1382  
 Image of a sinusoidal complex object in a partially coherent optical system (T), JOSA 65: 892  
 Image plane holograms for holographic microscopy (E), AO 17: 1455  
 Imaging properties of annular lenses (T), AO 18: 3764  
 Improvement of image quality in holographic microscopy (A), JOSA 66: 1061  
 Incident light fluorescence microscope (P), AO 17: 2259  
 Inclined prism ocular systems for stereomicroscope (P), AO 15: 835  
 Interferometric measurement of laser fusion targets (TE), AO 17: 3641  
 Interferometric study of a solid-solid phase transition (E), AO 16: 3206  
 Interferometry with schlieren microscopy (ET), AO 16: 470  
 Interpretative Techniques for Microstructural Analysis. Edited by James L. Mcall and P. M. French (B), Reviewed by Silverman, Shirleigh, AO 16: 2600
- Lasers for photoelectron microscopy (A), JOSA 68: 1356  
 Linewidth measurement with an optical microscope: the effect of operating conditions on the image profile (ET), AO 16: 2223  
 Method for the calculation of partially coherent imagery (T), AO 17: 2747  
 Microscope techniques (N), AO 13: 260  
 Microscopy of Materials. By D. K. Bowen and C. R. Hall (B), Reviewed by Newbury, Dale E., AO 15: 2013  
 Microscopy of Materials. By D. K. Bowen and C. R. Hall (B), Reviewed by Hyde, W. Lewis, JOSA 66: 637  
 Modulation contrast microscope (TE), AO 14: 1169  
 Oil immersion condenser (P), AO 15: 835  
 Oil immersion type microscope objective (P), AO 14: 1457  
 Optical fiber refractometry by interference microscopy: a simplified method (E), AO 17: 3647  
 Optical microscopic observation of single small molecules (A), JOSA 66: 1124  
 Optical microscopic observation of single small molecules (E) (L), AO 15: 2965  
 Optimal magnification for visual microscopy (E) (L), JOSA 64: 102  
 Orientation of crystals by extinction between crossed linear polarizers (ET) (L), AO 14: 200  
 Photon correlation spectroscopy of light scattered from microscopic regions (ET) (L), AO 18: 588  
 Point-diffraction interference microscopy (A), JOSA 69: 1455  
 Practical Scanning Microscopy: Electron and Ion Microprobe Analysis. Edited by J. I. Goldstein and H. Yakowitz (B), Reviewed by Smith, K. C. A., AO 15: 2012  
 Quasi-microscope concept for planetary missions (E), AO 16: 2454  
 Radial distribution of the refractive index in light-focusing rods: determination using Interphako interference microscopy (ET), AO 16: 1050  
 Real-time recognition of three-dimensional microscopic objects (A), JOSA 67: 1382  
 Resonant scanning optical microscope (T), AO 17: 2879  
 Scanning laser acoustic microscope (N), AO 17: 2908  
 Simple method for reducing the depth of focus (A), JOSA 65: 1166  
 Single optical lens with large aperture and large field (P), AO 17: 1473  
 Spatial frequency filtering and its application to microscopy (ET), AO 16: 2264  
 Super radiant laser illuminator and image amplifier (P), AO 13: 2959  
 Variable phase contrast microscopy (P), AO 13: 8A26  
 Wavefront reconstruction (P), AO 15: 583  
 Wave propagation along a dielectric interface (T), JOSA 64: 794  
 X-ray microscopy of biological objects with carbon K $\alpha$  and with synchrotron radiation (A), JOSA 66: 78  
 X-ray microscopy with synchrotron radiation (E) (L), AO 15: 1883
- ### Microwaves
- Atomic and molecular emission from microwave discharge through beryllium chloride (E), JOSA 65: 318  
 Bering: the Soviet-American Experiment. Edited by K. Ya. Kondratyev, Yu. I. Rabinovich and W. Nordberg (B), Reviewed by Howard, John N., AO 15: A159  
 Bibliography of Microwave Optical Technology. Compiled by A. F. Harvey (B), Reviewed by Howard, John N., AO 16: A25  
 Bibliography of Microwave Optical Technology. Compiled by A. F. Harvey (B), Reviewed by Bertoni, Henry L., JOSA 67: 410  
 Diffraction ellipsometry at microwave wavelengths, JOSA 69: 328  
 Diffraction of electromagnetic waves by transparent edges (E), JOSA 64: 789  
 Displacement of an electromagnetic beam upon reflection from a dielectric slab, JOSA 68: 319  
 Electronic materials, conference, Boston, 9-11 Sep 1974 (N), AO 13: 690  
 European microwave conference, Hamburg, 1-4 Sep 1975 (M), Reported by Schuenemann, K., AO 15: 4



- Extension of lens-system model of holography (T), JOSA 64: 310
- Extension of microwave detection and frequency measurements into the optical region (A), JOSA 64: 1379
- Intracavity detection of microwave transitions through the dispersive response of a laser (A), JOSA 68: 647
- Longitudinal and transverse displacements of a bounded microwave beam at total internal reflection (TE), JOSA 67: 1307
- Longitudinal shift of a microwave beam at total internal reflection (E) (L), AO 13: 742
- Measurement of  $^1D_2 \rightarrow ^1F_3$  microwave transitions in strontium Rydberg states using selective resonance ionization (E), OL 4: 173
- Measurement of surface-current densities (E), JOSA 65: 246
- Microcomputer-controlled microwave-optical spectrometer (A), JOSA 69: 1408
- Microwave diffraction by a conducting object for various shapes (E), JOSA 67: 1566
- Microwave Goos-Haenchen effect (A), JOSA 64: 525
- Microwave holography with waves guided by a dielectric slab (A), JOSA 64: 563
- Microwave Optics, The Optics of Microwave Antenna Design. By Sydney Cornbleet (B), Reviewed by Andrews, C. L., JOSA 68: 143
- Microwave Spectroscopy of Free Radicals. By Alan Carrington (B), Reviewed by Johnson, Donald R., AO 15: 286
- Moiré microwave holography (ET), AO 16: 418
- Multiplex methods for mapping amplitude and phase of microwave wavefronts (A), JOSA 64: 559
- Near-field diffraction on the axes of disks (E), JOSA 67: 1561
- Scattered microwave fields near a finite, planar, dielectric slab (A), JOSA 67: 1394
- Scattering by spheres with nonisotropic refractive indices (ET), AO 15: 1212
- Schottky-barrier diodes and heterodyne detection (A), JOSA 67: 1431
- Short wire as a microwave analogue to molecular Raman scatterers (T), AO 14: 2727
- Speckle phenomena in optics, microwaves, and acoustics, OSA Topical Meeting, Asilomar, 24-26 Feb 1976 (M), Reported by Pearson, James E., AO 15: 1362
- Surface electromagnetic wave coupling efficiencies for several excitation techniques (E), AO 15: 3066
- Thermography in microwave holography (E) (L), AO 14: 1487
- Very-long-baseline interferometer astronomy—molecular line radiation sources (A), JOSA 64: 522

## Mie theory

- See also Atmospheric optics, Electromagnetic waves, Scattering
- Aerosol droplet size and concentration from simple transmittance measurements (TE), AO 15: 2454
- Application of Mie effect to reflecting holograms (A), JOSA 64: 1381
- Asymptotic limits of the Mie-scattering characteristics (T), JOSA 65: 1316
- Asymptotic scattering efficiency of a large sphere (T) (L), JOSA 69: 1615
- Carbon aerosol visibility vs particle size distribution (T), AO 17: 2612
- Complex angular momentum theory of the rainbow and the glory (T), JOSA 69: 1068
- Complex angular momentum theory of the rainbow and the glory (T), JOSA 69: 1193
- Computation of angular functions  $\pi_n$  and  $\tau_n$  occurring in Mie theory: comment on (T) (L), AO 13: 1545
- Detection of airborne particles using optical extinction measurements (ET), AO 13: 1913
- Diffuse reflectance from a finite blood medium: applications to the modeling of fiber optic catheters (TE), AO 15: 2059
- Effects of particulate complex refractive index and particle size distribution variations on atmospheric extinction and absorption for visible through middle IR wavelengths, AO 17: 3922
- Electromagnetic scattering from a spherical polydispersion of coated spheres (T), AO 15: 1996
- Electromagnetic scattering from active objects (T) (L), AO 17: 3337
- Excitation of a spherical resonant medium by an external field (T), JOSA 69: 882
- Expansion of the Mie phase function in Legendre polynomials (T) (L), AO 13: 2752
- Forward scattering by polydispersed media (A), JOSA 64: 1398
- Fourier representation of the energy distribution of an electromagnetic field scattered by spherical particles (T), AO 14: 2486
- Generating Bessel functions in Mie scattering calculations using continued fractions (T), AO 15: 668
- How Lorenz might have viewed the computation of the angular functions occurring in his theory (T) (L), AO 13: 2751
- Internal field resonance structure: implications for optical absorption and scattering by microscopic particles (T), JOSA 68: 1242
- Inversion techniques for determining the droplet size distribution in clouds: numerical examination (T), AO 15: 378
- Light scattering by particles in laser Doppler velocimeters using Mie theory (T) (L), AO 15: 2951
- Light scattering by tenuous particles: a generalization of the Rayleigh-Gans-Rocard approach (T), AO 15: 2932
- Light scattering from biological cells: dependence of backscatter radiation on membrane thickness and refractive index (T) (L), AO 18: 585
- Limitations in using atmospheric models for laser transmission estimates (TE) (L), AO 13: 2193
- Mie scattering between any two angles (T), JOSA 67: 572
- Mie scattering, Maxwell Garnett theory, and the Giaevers immunology slide (ET), AO 15: 2746
- Mie theory calculations: new progress, with emphasis on particle sizing (T), AO 18: 3489
- Multiple scattered radiation emerging from Rayleigh and continental haze layers. 2: Ellipticity and direction of polarization (T), AO 15: 1003
- Multiple scattering measurements as a function of wavelength by use of a dye laser (E) (L), AO 14: 268
- Narrow resonance structure in the Mie scattering characteristics (T) (L), AO 17: 3019
- Nonspherical extinction and absorption efficiencies (T), AO 17: 3159
- Nonunitarity of the light scattering approximations (T) (L), AO 18: 1123
- Numerical study of scattering by large dielectric spheres (T), JOSA 68: 130
- Opacity of black smoke: calculated variation with particle size and refractive index (T), AO 18: 1399
- Optical particle sizing for *in situ* measurements. Part 1 (T), AO 18: 1632
- Optical particle sizing for *in situ* measurements. Part 2 (E), AO 18: 1646
- Optical scattering per unit mass of single particles (T) (L), AO 14: 269
- Optimization of response functions of light scattering instruments for size evaluation of aerosol particles (TE), AO 18: 705
- Partial-wave resonances and the ripple structure in the Mie normalized extinction cross section (T) (L), JOSA 68: 285
- Particle sizing by forward lobe scattered intensity-ratio technique: errors introduced by applying diffraction theory in the Mie regime (T), AO 17: 1644
- Polydisperse-particle-size-distribution function determined from intensity profile of angularly scattered light (T), AO 18: 3494
- Radiative transfer in closely packed media (T), JOSA 67: 1339
- Range of validity of the Rayleigh and Thomson limits for Lorenz-Mie scattering (T) (L), JOSA 68: 135
- Recurrence between Mie's coefficients (T) (L), JOSA 66: 1424
- Resonances in the efficiency factors for absorption: Mie scattering theory (T) (L), AO 17: 491
- Ripple structure of the extinction coefficient (E) (L), AO 16: 281
- Scattering by spheres with nonisotropic refractive indices (ET), AO 15: 1212
- Scattering from a moving spherical particle by two crossed coherent plane waves (T), AO 16: 619
- Scattering from a spherical particle by two crossed coherent beams (A), JOSA 64: 1398
- Scattering functions of nonspherical dielectric and absorbing particles vs Mie theory (E) (L), AO 16: 777

- Scattering in spherically symmetric media (T), AO 18: 2307
- Scattering of light by dielectric particles: a statistical theory (T), JOSA 69: 1554
- Simplified phase functions for colorant characterization (T), JOSA 65: 839
- Spherical particle populations: approximate analytic relationship between size distribution parameters and integral optical properties (T), AO 15: 1178
- Three-wavelength light transmission technique to measure smoke particle size and concentration (ET), AO 18: 1763
- Validity of modifying Mie theory to describe scattering by nonspherical particles (T) (L), AO 17: 3851
- Volume scattering function of suspended particulate matter at near-forward angles: a comparison of experimental and theoretical values (ET), AO 17: 1125

## Mirrors

- See also Optical systems and specific applications
- Aberrations of a sequence of conic mirrors (T), AO 15: 2283
- Aberrations of ellipsoidal reflectors for unit magnification (T), AO 13: 2931
- Absorption at 10.6- $\mu$ m dependence on roughness of UHV-coated supersmooth mirrors (E) (L), AO 14: 266
- Absorption 10.6- $\mu$ m dependence on roughness of uhv silver-coated super-smooth metal mirrors (A), JOSA 64: 536
- Achromatic focusing device (ET), JOSA 65: 1283
- Adaptive laser resonator (E), OL 2: 61
- A.F.W.L. 10.6- $\mu$ m absorption calorimeter for metal-substrate mirrors (A), JOSA 64: 536
- Aging of optical properties of polished copper mirrors (E) (L), AO 16: 2035
- Air breakdown in a radial-mode focusing element (TE), AO 13: 104
- Aluminum mirrors  $Al_2O_3$ -protected, with high reflectance at normal but greatly decreased reflectance at higher angles of incidence in the 8-12- $\mu$ m region (ET) (L), AO 17: 333
- Analysis of interferometric data for the multiple-mirror telescope optics (A), JOSA 66: 1116
- Anastigmatic catadioptric telescopes (T), JOSA 65: 261
- Anastigmatic two-mirror telescopes: some new types (T), AO 16: 1178
- Angular rotation sensor (P), AO 18: 3521
- Aplanatic grazing incidence x-ray microscopes: design and performance (T), AO 15: 3094
- Aplanatic mirror pairs (T) (L), AO 15: 2621
- Apparatus for compensating for thermally introduced distortions in reflecting surfaces (P), AO 18: 3958
- Apparatus for the measurement of optical absorptivity in laser mirrors (E), AO 13: 1405
- Archimedes's burning glass (L), AO 13: 452
- Archimedes's burning glass (L), AO 13: 2A14
- Archimedes's burning glass (L), AO 13: 2A16
- Auger spectroscopic examination of  $MgF_2$ -coated Al mirrors after UV irradiation (A), JOSA 65: 1215
- Auger spectroscopic examination of  $MgF_2$ -coated Al mirrors before and after UV irradiation (E), AO 16: 1886
- Beam forming mirror apparatus (P), AO 14: 1241
- Beam pathlength multiplication (T), AO 13: 679
- Beryllium mirrors: 10.6- $\mu$ m characterization (E) (L), AO 14: 2806
- Bimorph piezoelectric flexible mirror (TE), JOSA 69: 478
- Calculating the optical properties of multilayer-dielectric reflectors (E), JOSA 67: 1590
- Calorimeter to measure the 10.6- $\mu$ m absorption of metal substrate mirrors (E), AO 14: 721
- Catoptric arrangement (P), AO 16: 1815
- Catoptric lens arrangement (P), AO 14: 1459
- Comparison of interferometric and screen test results (A), JOSA 68: 1445
- Composite type structure for large reflective mirrors (P), AO 15: 2038
- Computer-aided deformable-mirror system using differential angle control (E), AO 17: 3945
- Confocal paraboloids: some comments (T) (L), AO 13: 2192
- Couplage encerclant (ET) (L), AO 18: 604
- Deformable-mirror adaptive optical system (E), JOSA 67: 325
- Depletion optimization and photon efficiency in laser isotope separation of deuterium (T), AO 17: 785



- Description of multilayer dielectric reflectors, JOSA 69: 993
- Design of a large lightweight uncooled laser mirror for high-energy laser applications (A), JOSA 66: 1105
- Detecting stray mirrors in a large array of mirrors (A), JOSA 69: 1408
- Determination of the precision of an interferometric test of a 1.8-m-diam paraboloidal mirror (A), JOSA 64: 1369
- Development of a high-power cooled metal mirror with active figure control (A), JOSA 66: 391
- Dielectric enhanced mirrors for IR lasers (A), JOSA 69: 1438
- Dimensional stability of low-expansion mirror materials by interferometry (A), JOSA 64: 1383
- Dual imaging concentric optics (P), AO 14: 1459
- Dynamics of an image viewed through a rotating mirror (T), JOSA 69: 771
- Effect of UV irradiation on the reflectance of silicon-oxide-protected aluminum in the far UV (E) (L), AO 17: 3031
- Effects of surface microroughness on mirror absorption (A), JOSA 64: 1404
- Electrochromic (EC) mirror which rapidly changes reflectivity (P), AO 15: 8
- Ellipsoidal illumination system optimization for laser fusion experiments (T), AO 14: 1274
- Evaluation of high-energy-laser mirror surfaces (A), JOSA 64: 536
- Experimental observations of thermal-blooming compensation using a deformable mirror system (A), JOSA 65: 1212
- Fabrication of a large off-axis parabola (A), JOSA 68: 1444
- Focus path of a laser beam deflected by a prismatic polygon mirror: its calculation and optimization (T), AO 15: 3084
- Four-mirror unobscured anastigmatic telescopes with all-spherical surfaces (T), AO 17: 1072
- Generation of a spherical mirror in aluminum (N), AO 18: 3878
- Go, no-go Ronchi template for aspheric mirrors (A), JOSA 64: 558
- Grazing-incidence mirror system for use with a grating spectrometer in the extreme ultraviolet (ET), AO 13: 1216
- Gregorian all-reflective optical system (P), AO 17: 1473
- Grinding and figuring of a 90° off-axis paraboloid segment (A), JOSA 64: 1377
- Hemi-ellipsoidal mirror infrared reflectometer: development and operation (ET), AO 15: 940
- High-power laser refractory metal mirrors made of thoriated tungsten (E) (L), AO 15: 16
- High-precision reflectivity measurement technique for low-loss laser mirrors (E) (L), AO 16: 19
- High reflectivity laser mirrors (P), AO 18: A206
- High-speed deformable mirrors for wavefront correction (A), JOSA 65: 1212
- High-speed deformable mirror systems (A), JOSA 68: 1368
- Hollow retroreflectors (P), AO 14: 1456
- Holographic simulation of ellipsoid and hyperboloid mirrors (ET) (L), AO 16: 1474
- Housing, mount, and support structure of the multiple-mirror telescope (A), JOSA 66: 1092
- Hybrid metal mesh-dielectric mirrors for optically pumped far infrared lasers (E), AO 15: 761
- Imaging analysis of mirrors from normal to grazing incidence (T), JOSA 66: 938
- Imaging properties of off-axis parabolic mirrors (T), AO 18: 2714
- Improved damage thresholds for metal mirrors (E) (L), AO 13: 1286
- Infrared multilayer partial mirror effective from 1.3  $\mu\text{m}$  to 16  $\mu\text{m}$  (L), AO 18: 3370
- Infrared reflectance of a variety of mirrors at 45° incidence (E) (L), AO 17: 3335
- Infrared reflectance of silicon oxide magnesium fluoride protected aluminum mirrors at various angles of incidence from 8  $\mu\text{m}$  to 12  $\mu\text{m}$  (T) (L), AO 14: 1247
- In orbit sun calibration performance of Landsat-2 (ET) (L), AO 14: 2053
- Integral equation for a 90° or a quasi-90° roof-mirror optical resonator (T), JOSA 64: 1417
- Interferometric evaluation of diamond-turned mirrors for CO<sub>2</sub> laser fusion (A), JOSA 69: 1417
- Large-aperture holographic spherical beam-splitter mirrors (A), JOSA 67: 1374
- Large aperture, wide spectral response, spherical beam-splitter mirrors (A), JOSA 68: 1442
- Large-mode-volume stable resonators (T), JOSA 65: 642
- Laser beam steerer-expander (T), AO 17: 3584
- Laser fusion target illumination system (ET), AO 14: 1267
- Laser induced damage in optical materials: 8th ASTM symposium (R), AO 16: 1214
- Laser induced damage in optical materials: ninth ASTM symposium (R), AO 17: 2386
- Laser printer scanning system with a parabolic mirror (ET), AO 17: 878
- Laser Window and Mirror Materials. By G. C. Battle, Tom Connolly, and Anne M. Keesee (B), Reviewed by Bennett, H. E., AO 17: 2126
- Lens and mirror design via the principal surface (T), AO 15: 2579
- Lens-mirror combinations with maximal concentration (TE), AO 16: 2677
- Loss mechanisms in dielectric optical interference devices (T), AO 16: 2147
- Machined ultra-lightweight mirror blank (A), JOSA 64: 1376
- Mangin mirror and its primary aberrations (T), AO 13: 1690
- Measurement of scatter from contaminated mirrors by means of bidirectional reflectance distribution function (BRDF) (A), JOSA 68: 1426
- Measurement of the Goos-Haenchen shift at grazing incidence using Lloyd's mirror (TE), JOSA 67: 679
- Measurement of the rms roughness, autocovariance function and other statistical properties of optical surfaces using a FECO scanning interferometer (E), AO 15: 2705
- Metallurgical engineering considerations from the 100-kJ CO<sub>2</sub> laser (A), JOSA 67: 1378
- Method for adjusting the radius of curvature of a spherical mirror (P), AO 18: 4005
- Method for cleaning low-scatter mirrors after exposure to silicone oil (A), JOSA 66: 1105
- Mirror for high power lasers and method of fabrication (P), AO 15: 830
- Mirror-image kinematics (T) (L), JOSA 65: 1517
- Mirrors, windows, and coatings for high-power ultraviolet lasers (A), JOSA 68: 1393
- Mirror system for uniform beam transformation in high-power annular lasers (T), AO 17: 2917
- Mirror testing apparatus (P), AO 13: 1251
- Mirror-type optical branch and switch (E), AO 17: 101
- More on afocal parabolic reflectors (T) (L), AO 13: 2191
- More on that burning glass of Archimedes (L), AO 13: 5A14
- Multilayer dichroic mirrors for the 16- $\mu\text{m}$  spectral region: their design and fabrication (E), AO 18: 3127
- Multiple-mirror telescope: unique technical characteristics and astronomical potential (A), JOSA 66: 1092
- Nearly perfect multilayer dielectric reflectors: theory (T), AO 18: 1428
- New two-mirror anastigmatic telescope (A), JOSA 64: 1358
- Null optics for testing a 1.8-m-diam paraboloid (A), JOSA 64: 1369
- Null Ronchi test for aspherical surfaces (TE), AO 13: 1778
- Null tests for eccentric sections of aspheric mirrors (A), JOSA 68: 1417
- Off-axis mirrors made using a conventional milling machine (E) (L), AO 18: 956
- Off-axis unstable laser resonator: operation (E), AO 15: 2159
- Optical and metallurgical characterization of molybdenum laser mirrors (A), JOSA 69: 1460
- Optical fabrication of a large lightweight mirror of unusual shape (A), JOSA 64: 1376
- Optical polisher for toroidal mirrors (E) (L), AO 18: 3217
- Optical scanner (P), AO 13: 2961
- Optical simulation for a fixed spherical solar collector (E), AO 18: 3081
- Optical test of a 40 cm lightweight uncooled mirror irradiated by a high-energy beam (A), JOSA 66: 1104
- Optics for the multiple-mirror telescope (A), JOSA 66: 1092
- Optimal optical systems: two concentric spherical mirrors (A), JOSA 65: 1176
- Parabolic axicon (T) (L), AO 13: 1291
- Parabolic mirror made by the rotation method: its fabrication and defects (E), AO 18: 1835
- Paraxial ray analysis of a cat's-eye retroreflector (T), AO 14: 1825
- Paraxial ray analysis of a cat's-eye retroreflector: comments (TE) (L), AO 15: 856
- Paraxial ray analysis of a cat's-eye retroreflector: reply to comments (T) (L), AO 15: 1691
- Performance characteristics of single point diamond machined metal mirrors for infrared laser applications (E), AO 13: 2647
- Periscopic mirror system with selectable changeable direction of viewing (P), AO 18: A214
- Polarization effects on overcoated mirrors (A), JOSA 66: 79
- Polishing of supersmooth metal mirrors (E), AO 14: 1808
- Protected Al mirrors with high reflectance in the 8-12- $\mu\text{m}$  region from normal to high angles of incidence (E) (L), AO 17: 2125
- Quantitative test for concave aspheric surfaces using a Babinet compensator (ET), AO 18: 2897
- Quantitative test for concave aspheric surfaces using a Babinet compensator: comments (E) (L), AO 18: 4066
- Quick fast off-axis parabolas (E) (L), AO 17: 671
- Rear-view mirror system (P), AO 14: 1458
- Rearview periscope comprised of two concave cylindrical mirrors (E), AO 17: 1687
- Reflectance and durability of Ag mirrors coated with thin layers of Al<sub>2</sub>O<sub>3</sub> plus reactively deposited silicon oxide (A), JOSA 64: 1384
- Reflectance and durability of Ag mirrors coated with thin layers of Al<sub>2</sub>O<sub>3</sub> plus reactively deposited silicon oxide (TE), AO 14: 2639
- Reflecting null correctors for conicoid mirrors (A), JOSA 64: 565
- Reflective multilayer coatings for the far UV region (R), AO 15: 2333
- Reflectometer for laser mirrors with accuracy better than 10<sup>-4</sup> (TE) (L), AO 17: 2476
- Results of a test to try to eliminate blue blotches on a space mirror (A), JOSA 68: 1424
- Roof-mirror resonators (T), JOSA 65: 649
- Screen test for large mirrors (E), AO 13: 1773
- Servo alignment and control (A), JOSA 66: 1092
- Setup and procedure for mapping changes in a large aspheric mirror (A), JOSA 68: 1417
- SiC, a new material for mirrors. I: High power lasers; 2: VUV applications (L), AO 15: 2006
- Single-point diamond-turned copper mirrors: figure evaluation (E) (L), AO 15: 1656
- Soft x-ray imaging with toroidal mirrors (E), AO 17: 601
- Solar concentrators with maximal concentration for cylindrical absorbers (T), AO 15: 1871
- Solar concentrators with maximal concentration for cylindrical absorbers (T) (errata), AO 16: 15
- Spherical mirror with piezoelectrically controlled curvature (T) (L), AO 16: 3075
- Statistical analysis of Bragg reflectors (T), JOSA 68: 18
- Still more on afocal parabolic reflectors (T) (L), AO 13: 2192
- Stray light suppression in optical space experiments (E), AO 13: 556
- Strip-mirror corrector for steeply curved astigmatic-image correction (A), JOSA 64: 565
- Tacheometer theodolite/distance measuring instrument (P), AO 18: A213
- Telescope having immersed mirror stabilizer (P), AO 14: 1457
- Temperature dependence of absorptance in laser damage of metallic mirrors. I. Melting (T), JOSA 69: 847
- Temperature dependence of absorptance in laser damage of metallic mirrors. II. Vaporization and heating the vapor (T), JOSA 69: 859
- Testing of flat optical surfaces by the quantitative Foucault method (T), AO 17: 132
- Three-mirror image rotator in a laser-produced plasma experiment (E) (L), AO 18: 3883
- Three-mirror stable resonator for high power and single-mode lasers (ET), AO 14: 1285
- Transfer function characterization of deformable mirrors (A), JOSA 67: 1367
- Transparent heat mirrors for solar-energy applications (ET), AO 15: 1012
- Umbrella-type dynamic-focusing mirror system (E), AO 18: 386
- Unobscured-aperture two-mirror systems (T), JOSA 65: 1141
- Unobscured laser-beam-expander pointing system with tilted spherical mirrors (T) (L), AO 13: 21



- Use of hafnium dioxide in multilayer dielectric reflectors for the near UV (E), AO 16: 439
- Versatile multipass reflectometer for precise measurement of high-reflectance mirrors (A), JOSA 67: 1430
- View expanding and directing optical system (P), AO 14: A52
- Well baffled two-mirror corrector for a parabola (T), AO 16: 1175
- X-ray and far UV multilayer mirrors: principles and possibilities (T), AO 16: 89
- Zoom mirror of aluminized thin flexible membrane in a circular housing (P), AO 18: 2542

## Modes

See also Lasers

- Aberration-corrected gratings formed with optical guided modes and surface waves (A), JOSA 68: 1405
- Analytic solutions for linearly tapered directional couplers (T), JOSA 66: 882
- Axial mode structure of a copper vapor pumped dye laser (E), AO 16: 57
- Beam modes in complex lenslike media and resonators (T), JOSA 66: 1373
- Coupling of plane-polarized electromagnetic waves to cylindrical modes (A), JOSA 65: 1167
- Cross-correlation discrimination for optical cavity modes (ET), AO 15: 206
- Differential mode attenuation measurements in graded-index fibers (E), AO 17: 1830
- Direct technique for calculating dielectric permittivity profiles from the distribution of mode indices in waveguides (T), JOSA 65: 1019
- Effect of leaky modes on the response of short optical fibers (T) (L), JOSA 67: 1284
- Effect of the cladding on pulse broadening in graded-index optical waveguides (T), AO 16: 2171
- Effects of metal overlays on 3-D optical waveguides (T) (L), AO 17: 2866
- Eigenmodes of optical resonators with mirrors having Gaussian reflectivity profiles (T), AO 15: 2145
- Electric-field induced harmonic generation as a probe of the focal region of a laser beam (ET), AO 14: 336
- Equal excitation of all modes on an optical fiber (T), JOSA 68: 572
- Exact expressions for scalar modal eigenvalues and group delays in power-law optical fibers (T), JOSA 69: 1599
- Excess loss caused by a lossy outer layer in multimode optical fibers (ET), AO 16: 1038
- Excess loss caused by an outer layer in multimode step-index fibers: experiment (ET), AO 16: 1320
- Excess loss caused by the outer layer in a multimode step-index optical fiber (T), AO 16: 2732
- Experimental excitement of resonant modes in open-ended cylindrical cavities (A), JOSA 64: 528
- Frequency stabilization of internal mirror He-Ne lasers in a transverse magnetic field (E) (L), AO 14: 2808
- Fundamental ( $HE_{11}$ ) modes of graded optical fibers (T), JOSA 69: 1663
- Gaussian approximation of the fundamental modes of graded-index fibers (T), JOSA 68: 103
- Generalized Gaussian beams in free space (T), JOSA 67: 1274
- Generalized spot size for a higher-order beam mode (T), JOSA 69: 578
- High-order mode structures in laser cavities with arbitrary astigmatism (A), JOSA 64: 561
- Interference, propagation, and coherence of a laser mode having a helical cophasal form (A), JOSA 69: 1431
- Large-mode-volume stable resonators (T), JOSA 65: 642
- Laser generator for single transverse mode operation (P), AO 14: A78
- Laser-mode beating used for detector frequency-response measurements (E), AO 16: 2703
- Laser mode locking with a glass filter (ET) (L), AO 13: 1553
- Launching efficiencies of the  $HE_{1m}$  modes in a self-focusing optical fiber waveguide (T), AO 14: 1543
- Leaky modes on a dielectric waveguide: orthogonality and excitation (T), AO 15: 1040
- Measurement of mode conversion coefficients and mode dependent losses in a multimode fiber (ET), AO 17: 3238
- Method for tuning a laser to an absorption line (A), JOSA 67: 1425
- Mode calculations in unstable resonators with flowing saturable gain. I: Hermite-Gaussian expansion (T) (cover story Dec A5, 2792), AO 13: 2775
- Mode calculations in unstable resonators with flowing saturable gain. 2: Fast Fourier transform method (T), AO 14: 1874
- Mode competition in a ring laser at line center (E), OL 1: 196
- Mode control of Ti-diffused LiNbO<sub>3</sub> slab optical waveguide (E), AO 16: 2546
- Mode conversion coefficients in optical fibers (ET), AO 14: 1538
- Mode correlations in a ring laser (A), JOSA 66: 1133
- Mode coupling by circular apertures (T), AO 15: 2800
- Mode coupling coefficient measurements in optical fibers (E), AO 17: 3979
- Mode coupling effects in graded-index optical fibers (T), AO 14: 935
- Mode coupling in a multimode optical fiber with microbends (ET), AO 14: 2400
- Mode coupling in thin-film chirped gratings (E), OL 4: 343
- Mode discrimination of unstable resonators with spatial filters and by phase modification (T), OL 4: 193
- Mode discrimination with rimmed optical resonator (TE), AO 14: 2418
- Mode locking with a slow saturable absorber in a transverse resonator (ET), OL 3: 226
- Mode mixing effects in optical fibers caused by sheathing and multistranding: measurements (E), AO 17: 3660
- Mode properties of annular gain lasers (TE), AO 14: 2653
- Mode properties of annular gain lasers (errata), AO 15: 16
- Modes and modes degeneracy in 90° and in quasi-90° roof open resonators (T), JOSA 65: 1050
- Mode self-locking in solid-state lasers with long resonators (A), JOSA 68: 1621
- Modes in fiber optical waveguides with ring index profiles (T), AO 14: 1533
- Modes in graded noncircular multimode optical fibers (ET), OL 4: 414
- Modes in misaligned unstable resonators (T), AO 15: 167
- Modes of a diffraction grating optical resonator (T), AO 14: 589
- Modes of dielectric waveguides of arbitrary cross sectional shape (T), JOSA 69: 1226
- Modes of empty off-axis unstable resonators with rectangular mirrors (T), AO 18: 1828
- Mode transducer for optical waveguides (P), AO 17: 1470
- Multioscillator approach to the problem of locking in two-mode ring-laser gyros (T), OL 3: 43
- Number of modes on optical waveguides (T) (L), JOSA 65: 356
- Off-axis unstable laser resonator: operation (E), AO 15: 2159
- Optical fiber transmission compensator (P), AO 17: 1985
- Optical wave guide (P), AO 17: 1667
- Power of modes propagating inside a dielectric rod (T) (L), JOSA 64: 393
- Properties of high-order transverse modes in astigmatic laser cavities (TE), JOSA 65: 867
- Relationship of the fundamental mode phase of unstable resonators to intracavity aberrations (A), JOSA 68: 1435
- Resonant-mode analysis of single-mode face pumped lasers (TE), AO 16: 1067
- Resonator theory for hollow waveguide lasers (T), AO 13: 2117
- Roof-mirror resonators (T), JOSA 65: 649
- Saturation and geometrical effects on mode intensity distribution for a large-Fresnel-number stable resonator (A), JOSA 66: 1132
- Saturation of silicon photodiodes at high modulation frequency (E), AO 17: 1103
- Single-mode collapse in 6328-Å He-Ne lasers (ET), AO 17: 2924
- Stable and unstable cylindrical-laser-resonator theory in an angular spectrum representation (T), JOSA 64: 1100
- Structure of optical guided modes in planar multilayers of optically anisotropic materials (T), JOSA 64: 166

- Thermal self-focusing of TEM<sub>01</sub> laser beams and ring-shape self-focusing of two specific mixtures of modes (T), JOSA 65: 1027
- Transmission characteristics of graded-index optical fibers with a lossy outer layer (TE), AO 17: 1199
- Transverse Bragg-reflector injection lasers (E), OL 2: 136
- Transversely bounded DFB lasers (T), JOSA 65: 404
- Unstable resonator mode control in a transverse flow dye laser (ET), AO 17: 931
- Waveguides: characteristic modes of hollow rectangular dielectric waveguides (T), AO 15: 1334
- Waveguides: characteristic modes of hollow rectangular dielectric waveguides (T) (errata), AO 15: 2029

## Modulation

- See also Electrooptics, Modulators
- Acoustical-optical devices for laser-beam modulation (A), JOSA 66: 385
- Anomalies of electromagnetic waves in multilayered structures containing anisotropy (T), JOSA 68: 1693
- Automatic focusing device also capable of photometry (P), AO 14: 1043
- Beam scanning and wavelength modulation of diode lasers (A), JOSA 68: 1434
- Bragg diffraction of Gaussian beams of periodically modulated media (T), JOSA 66: 220
- Bragg diffraction of Gaussian beams by periodically modulated media (T) (errata), JOSA 66: 1141
- Capacity of polarization and amplitude modulated links in the presence of atmospheric scintillation (T), AO 16: 1993
- Collinear acoustooptical tunable filter and acoustooptically with tunable laser (P), AO 16: 1815
- Conical axicons used as optical polar everters (T) (L), AO 14: 1482
- Electrooptical array processor for complex signals (E), AO 17: 2952
- Electrooptical modulation (P), AO 16: 2788
- Electrooptic diffraction modulation in Ti-diffused LiTaO<sub>3</sub> (E), AO 17: 3259
- Field properties of multiple coherently combined lasers (T), AO 18: 270
- Frequency-mixing detection (FMD) of polarization-modulated light (T), JOSA 66: 735
- High frequency polarization modulation method for measuring birefringence (E), AO 14: 757
- High frequency polarization modulation method for measuring optical rotation (E), AO 14: 761
- High speed frequency modulation of far infrared lasers using the Stark effect (E), AO 16: 1893
- Holographic storage and retrieval (P), AO 18: A114
- Kramers-Kronig analysis of modulated reflectance data investigation of errors (T), AO 14: 2412
- Lanthanum titanate single crystal electro-optic modulator (P), AO 15: 584
- Light modulation with multilayer thin films (E) (L), AO 13: 2464
- Linear polarimeter with rapid modulation, achromatic in the 0.3-1.1-μm range (E) (L), AO 15: 605
- Linear polarimeter with rapid modulation... comment (E) (L), AO 15: 1685
- Linear polarimeter with rapid modulation... reply to comment (E) (L), AO 15: 1686
- Liquid crystal waveguide (P), AO 16: 2789
- Luminescence rejection in Raman spectroscopy (E) (L), AO 15: 2969
- Minimization of the prime power consumption of a coupling-modulated gas laser transmitter (T), AO 13: 2489
- Modulatable laser for system applications (A), JOSA 66: 385
- Modulated transmission spectroscopy of gaseous chemi-excited Ca and Sr monoxides (E), AO 16: 2108
- Modulation characteristics of total internal reflection electro-optical gratings (A), JOSA 66: 1101
- Modulation-efficiency calculation in optical-waveguide modulator (T) (L), JOSA 65: 1079
- Modulation techniques for an airborne laser scanner (T), AO 18: 3176



- Observation of intracavity polarization modulation in an optically pumped far-IR laser (E) (L), AO 18: 3717
- Optical data storage using PPM and PWM (TE), AO 14: 2217
- Optical field distribution in a waveguide loaded with high refractive-index film; modulation efficiency improvement in a planar-type modulator (T), AO 15: 455
- Optical modulation system and frequency doubler using organo-substituted carboranes (P), AO 16: 538
- Polarization modulation with (110) double heterostructure  $p$ - $n$  junction diodes (A), JOSA 66: 289
- Pulsed dye laser applied to modulated spectroscopy magnetic circular dichroism (E), AO 15: 1158
- Pulse modulation effect on velocity fringes (T) (L), AO 14: 1061
- Reflection-type electrically controllable diffraction grating and its application to intracavity laser modulation (ET), AO 16: 1280
- Self-phase modulation in silica optical fibers (A), JOSA 66: 1101
- Statistical properties of counting distributions for intensity-modulated sources (TE), JOSA 69: 539
- Time-domain-holography modulation and optical fiber communication (A), JOSA 68: 1384
- Transfer by two-photon absorption (P), AO 15: 585
- Uniaxial and biaxial anisotropy in thin-film optical waveguides (T), JOSA 64: 27
- Wide-band frequency-modulation system using optical techniques (ET), AO 18: 1249
- Wide-band spectrum analysis with area modulation (TE), AO 18: 460
- Wideband spectrum analysis with area modulation: comment (T) (L), AO 18: 2540
- Wideband spectrum analysis with area modulation: authors' reply to comment (TE) (L), AO 18: 2541

## Modulation transfer function

- See also Optical transfer function
- Apodization and image contrast (T) (L), AO 18: 955
- Apodization and image contrast (T): comment (L), AO 18: 3886
- Computation of light transmitted by a thick grating, for application to contact printing (T), JOSA 64: 1623
- Derivation of the MTF for an ideal optical system from Struve's equation for the line spread function: comments on (T) (L), AO 13: 734
- Development effects and the MTF of high-resolution photographic materials for holography (E), JOSA 64: 862
- Device for testing a lens system (P), AO 18: 3718
- Dynamics of thin-film thermal detectors in infrared imaging systems. 1: Basic equations and Fourier analysis (T), AO 13: 1455
- Effect of multiple scattering on the point-spread functions and modulation-transfer functions of the aerosol atmosphere in the problems of space-meteorological photography (T), OL 4: 158
- Effects of target contrast and background upon tribar threshold and resolution (T), AO 15: 504
- Equivalent passband of perfect lens (T) (L), JOSA 64: 730
- Fast MTF computations during the process of lens optimization (A), JOSA 67: 1428
- Fine structure of an image facsimile synthesized with a Gaussian spot (T), AO 18: 2033
- Focused beam and atmospheric coherence measurements at 10.6  $\mu\text{m}$  and 0.63  $\mu\text{m}$  (E), AO 13: 1906
- Holographic evaluation of resolution in amorphous chalcogenide inorganic photoresists (ET), AO 18: 1753
- Image of a sinusoidal complex object in a partially coherent optical system (T), JOSA 64: 831
- Image transfer properties of proximity focused image tubes (E), AO 16: 2127
- Inexpensive modifications to an Ealing modulation transfer function analyzer (A), JOSA 68: 1363
- Influence of noise on the measurement of optical transfer functions by the digital Fourier-transform method (TE), JOSA 65: 502
- Interferometric measurements (P), AO 15: 1347
- Laboratory-simulated speckle interferometry (E), JOSA 65: 1287
- Laboratory simulation of stellar speckle interferometry (E), AO 18: 828
- Lens atmosphere MTF measurements (A), JOSA 66: 182
- Lens design merit functions: rms image spot size and rms optical path difference (E), AO 17: 715
- Measured atmospheric MTF over the ocean, for visible to far IR (A), JOSA 68: 539
- Measurement of averaged squared modulus of atmospheric-lens modulation transfer function (ET), JOSA 64: 1129
- Measurement of  $r_0$  with speckle interferometry (TE), JOSA 68: 348
- Measurement of the atmospheric correlation scale (E), JOSA 67: 1680
- Method of determining the modulation transfer function (P), AO 16: 2789
- Modulation transfer function measurement by diffraction shearing (A), JOSA 68: 1391
- Modulation transfer function measurement of TV zoom lenses: influence of distortion on the equivalence of normal and inverse conjugate techniques (T), AO 17: 2171
- Modulation transfer function measurement via diffraction shearing with optically superimposed gratings (E), AO 18: 1247
- Modulation transfer function of a 210-70-mm fiber-optic output x-ray image intensifier tube (E) (L), AO 14: 1484
- Modulation transfer function of image tube lenses (TE), AO 16: 2647
- Modulation transfer function of proximity-focused image tube in polychromatic light (T), AO 14: 509
- Modulation transfer function parameters for all photographic films listed in Kodak pamphlet P-49 (E) (L), AO 15: 1130
- MTF evaluation with optical matched filters (ET), AO 16: 154
- Multiple-sine-slit microdensitometer and MTF evaluation for high resolution emulsions. 1: Theory and mode of operation (ET), AO 13: 2280
- Multiple-sine-slit microdensitometer and MTF evaluation for high resolution emulsions. 2: MTF data and other recording parameters of high resolution emulsions for holography (E), AO 13: 2288
- Mutual coherence function of a corrected wave front (A), JOSA 68: 1368
- Mutual coherence function of a wave front corrected by zonal adaptive optics (T), JOSA 69: 549
- Optical transfer response, nonlinearity, and visual information processing (A), JOSA 68: 1451
- Optimal filter design for annular imaging (T), AO 13: 2919
- Partial tracking optical heterodyne arrays (T), JOSA 68: 1673
- Sampling in imaging systems, JOSA 65: 700
- Selected Readings in Image Evaluation. Compiled and edited by Rodney Shaw (B), Reviewed by Frieden, B. Roy, JOSA 68: 554
- Sinusoidal flicker characteristics of primate cones in response to heterochromatic stimuli (ET), JOSA 65: 1091
- Speckle interferometry lens-atmosphere MTF measurements (E), JOSA 66: 1252
- Subjective method for the measurement of monochromatic aberrations of the eye (E), JOSA 67: 1508
- System for measuring the modulation transfer function of an optical device (P), AO 18: 748
- Thermal modulation transfer function analysis of pyroelectric device characteristics (TE), AO 15: 1767
- Thin slits: transmission and polarization (E), AO 15: 1199
- Thin slits: transmission and polarization; comment (L), AO 15: 2619
- Thin slits: transmission and polarization; author's reply to comment (L), AO 15: 2620
- Turbulence-degraded beam quality: improvement obtained with a tilt-correcting aperture (T), AO 16: 665
- Two-pupil synthesis of optical transfer functions (T), AO 17: 1141
- Vertical path atmospheric modulation transfer function for desert floor and mountain locations (A), JOSA 68: 1368
- Vertical path atmospheric MTF measurements (ET), JOSA 69: 828
- Visibility of low-spatial-frequency sine-wave targets: dependence on number of cycles (E), JOSA 65: 343

Weak Bragg diffraction in propagation of a focused beam through an inhomogeneous thin layer (A), JOSA 65: 1167

## Modulators

- See also Acoustooptics; Modulation
- Acoustic resonance prevention (P), AO 18: A206
- Acoustooptic modulator intensity servo (E), AO 18: 2947
- Active branching waveguide modulator (A), JOSA 66: 1101
- Advances in electro-optical TIR diffraction modulator/deflectors as industrial devices (A), JOSA 66: 385
- Analog-to-digital converter: a new type using an electrooptic light modulator (E), AO 18: 3148
- Applications of Stark cells to CO<sub>2</sub> laser communication (A), JOSA 66: 389
- Birefringence measurement using a photoelastic modulator (E), AO 18: 3996
- Bistable optical spatial device using direct optical feedback (TE), OL 3: 199
- Bistable optical switch utilizing lead phosphate or lead strontium phosphate crystals (P), AO 15: 8
- Bistable optical systems based on a Pockels cell (E), OL 4: 115
- Bulk wave Bragg cell (P), AO 18: 2236
- Calibration of optical modulator frequency response with application to signal level control (E), AO 17: 68
- Chopping factors for circular and square apertures (T), AO 15: 80
- Coatings for crystals (A), JOSA 66: 383
- Complete scattering matrix measurements using an electro-optical-modulator-based instrument (A), JOSA 66: 1134
- Current-controlled phase retardation plate (E), AO 14: 1217
- Deflection-type modulator of laser beam for communications (P), AO 18: 3271
- Design and application of ultrafast KD\*P electro-optical modulators (A), JOSA 66: 383
- Digital spatial modulators (E), AO 13: 825
- Dual polarization electromagnetic switch and modulator (P), AO 18: 3714
- Efficient optical waveguide switch/amplitude modulator (E), OL 2: 45
- Electrical optical modulator (P), AO 15: 1346
- Electroabsorption detectors and modulators for integrated optical circuits (A), JOSA 65: 1221
- Electrooptical amplitude modulator (P), AO 15: 2948
- Electro-optical cell (P), AO 15: 1347
- Electro-optical light-modulation cell utilizing a nematogenic material which exhibits the Kerr effect at isotropic temperatures (P), AO 13: 2440
- Electrooptic Bragg-deflection modulators: theoretical and experimental studies (TE), AO 15: 1565
- Electrooptic switching response in cubic phase PLZT ceramic materials (ET) (L), AO 15: 828
- Etalon with electrically-induced diffraction (P), AO 18: 3718
- Extending the field of view of KD\*P electrooptic modulators (TE), AO 17: 3010
- Handbook of Optics. Edited by Walter G. Driscoll and William Vaughan (B), Reviewed by Wright, W. D. AO 18: 416
- High resolution laser beam recorder with self-focusing acousto-optic scanner (P), AO 15: 9
- Imaging characteristics of the Itek PROM (E), AO 13: 2052
- Implications of concurrent optical activity and electric-field-induced birefringence for Pockels readout optical modulator performance (A), JOSA 68: 1449
- Improved liquid crystal device response time (E) (L), AO 18: 1700
- Improving contrast in ultrasonic modulators with spatial filtering (A), JOSA 66: 1094
- Infrared circular dichroism and linear dichroism spectrophotometer (E), AO 14: 454
- Kerr cell light modulator with crossed fields (E), AO 14: 3007
- Light modulation by electrochromism (ET), AO 15: 2812
- Light retro-reflecting responder and data modulator (P), AO 18: 3271
- Liquid crystal devices and systems for ultrasonic imaging (P), AO 13: 3A26



- Liquid crystal electrooptical device (P), AO 16: 2788
- Liquid crystal optical cell with selected energy scattering (P), AO 13: 2438
- Lithium niobium tantalate (P), AO 18: 1286
- Low loss laser modulator (P), AO 17: 1985
- Magneto-optic bounce-cavity modulator (TE), AO 15: 3143
- Magneto-optic modulators (P), AO 15: 8
- Microchannel spatial light modulator (E), OL 3: 196
- Modulating light propagating in an optical waveguide by bulk acoustic waves (P), AO 15: 584
- Multimode integrated optical bistable switch (E), OL 3: 69
- Nematic crystal in polarized light (P), AO 15: 585
- New technique for measuring elements of scattering matrix using electro-optical modulators (A), JOSA 64: 1399
- Nonlinear longitudinal KTN modulator (ET), AO 14: 343
- Optical sampling transient analyzer system (E), AO 15: 1404
- Optical waveguide modulator using electric-field-induced scattering in PLZT (A), JOSA 65: 226
- Performance evaluation of spatial light modulators (TE), AO 18: 2445
- Performance limitations imposed on optical waveguide switches and modulators by polarization (T), AO 15: 2440
- Photo-DKDP light valve in optical data processing (E), AO 18: 3307
- Photoelastic modulator for the 0.55–13- $\mu$ m range (ET), AO 15: 1960
- Polarization-insensitive integrated-optical switches: a new electrode design (T), AO 16: 2166
- Polarization scrambling using a photoelastic modulator: application to circular dichroism measurement (TE), JOSA 65: 1031
- Polarization-shifting waveguide (P), AO 18: 3757
- Probability distribution of optical amplitude scattered from a rough object containing multiple glints (T), JOSA 67: 1269
- Recent development on high-power infrared waveguide modulators (A), JOSA 66: 290
- Semiconductor rib waveguide optical modulator with heterojunction control electrode cladding (P), AO 18: 749
- Single-crystal electrooptic thin-film waveguide modulators for infrared laser systems (E), AO 13: 2529
- Single-mode GaAs-Al<sub>x</sub>Ga<sub>1-x</sub>As rib waveguide switches (E), AO 17: 890
- Sinusoidal radiation chopper for modulation of the maximum available light intensity (E) (L), AO 16: 803
- Stabilization of the output from an electro-optical modulator in a lens waveguide communication system (A), JOSA 67: 1445
- Switch for thin-film optics (P), AO 13: 2441
- Temporal response of the acoustooptic modulator: geometrical optics model in the low scattering efficiency limit (T), AO 16: 507
- Temporal response of the acoustooptic modulator: physical optics model in the low scattering efficiency limit (T), AO 17: 1507
- Temporal response of the acoustooptic modulator in the high scattering efficiency regime (T), AO 18: 903
- Theoretical resolution limitations of electro-optical spatial light modulators (A), JOSA 69: 1484
- Theory of optical wedges as flux modulators (T), JOSA 66: 1350
- Theory of optical wedges as flux modulators (T) (errata), JOSA 67: 1695
- Thermal detuning effects in a standing wave acoustooptic modulator (ET), AO 17: 1824
- TIR acousto-optic surface-wave modulator (A), JOSA 66: 385
- Waveguide electro-optic modulator for CO<sub>2</sub> lasers (A), JOSA 66: 389
- Waveguide lasers with intracavity electrooptic modulators: misalignment loss (T), AO 15: 1066
- Waveguide linear array (P), AO 18: 3757
- Waveguide optical modulator (P), AO 18: 3220
- Automated surface contouring using phase-locked moire fringe analysis (A), JOSA 68: 1415
- Characteristics of superposed patterns in optics (TE), JOSA 66: 87
- Contour map display using computer-generated holograms (TE), AO 14: 2447
- Different types of moire patterns (A), JOSA 66: 1131
- Diffraction patterns of simple apertures (TE), JOSA 64: 798
- Doubling and visibility enhancement of moire fringes of the summation type (E) (L), AO 15: 1124
- Electronic processing of moire fringes: application to moire topography and comparison with photogrammetry (ER), AO 18: 563
- Focusing errors in a collimating lens or mirror: use of a moire technique (ET), AO 13: 1322
- Gamma-ray imaging in Fourier space (ET), OL 3: 187
- Generalizations in formation of moire (A), JOSA 64: 1402
- Geometric parameters of moire fringes (TE), AO 15: 2223
- Half-tone method with edge enhancement and moire suppression (A), JOSA 65: 1177
- Holomoire interferometry applied to NDT (ET) (L), AO 17: 3700
- Method of measuring irregularities in the evenness of surfaces (P), AO 15: 2944
- Moire and higher grating harmonics (ET), JOSA 65: 685
- Moire contouring: mathematical analysis (T) (L), AO 14: 1260
- Moire depth contouring (T), AO 18: 1577
- Moire: formation and interpretation (ET), JOSA 64: 1287
- Moire fringe profile prediction method and its application to fringe sharpening (TE), AO 17: 2541
- Moire fringe topography scoliosis detection (A), JOSA 69: 1441
- Moire-holography method for measuring inhomogeneous distributions of refractive index (T) (L), AO 13: 1551
- Moire inspection of multicomponent assemblies (E), AO 18: 4046
- Moire interferometry (ET), AO 18: 1275
- Moire interferometry strain measurements in elastic thin membranes (E), AO 18: 3841
- Moire interferometry with white light (E), AO 18: 4163
- Moire microwave holography (ET), AO 16: 418
- Moire optical transducer (P), AO 18: A115
- Moire strain analysis in cryogenic environments (E) (L), AO 18: 1886
- Moire topography by means of a grating hologram (ET), AO 15: 2414
- Moire topography (T), AO 14: 177
- Multiple-sine-slit microdensitometer and MTF evaluation for high resolution emulsions. 1: Theory and mode of operation (ET), AO 13: 2280
- Multiple-sine-slit microdensitometer and MTF evaluation for high resolution emulsions. 2: MTF data and other recording parameters of high resolution emulsions for holography (E), AO 13: 2288
- Phase-locked moire fringe analysis for automated contouring of diffuse surfaces (E), AO 18: 91
- Photokeratography using moire techniques (L), AO 15: 2964
- Position measuring through the use of moire fringe multiplication (P), AO 14: A104
- Practical aspects of ac moire-fringe interferometry (A), JOSA 64: 1369
- Profile measurement using projection of running fringes (E), AO 17: 2930
- Real time measurement of very small transverse displacements of diffuse objects by random moire. 1: Theory (T), AO 15: 1241
- Scanning moire method and automatic measurement of 3-D shapes (E), AO 16: 2152
- Shadowless moire topography using a single source of light (E) (L), AO 13: 722
- Spatial filtering of moire plots (A), JOSA 64: 560
- Spherical aberration measurement with shearing interferometer using Fourier imaging and moire method (ET), AO 14: 623
- Time-averaged shadow-moire method for studying vibrations (ET), AO 16: 1717
- Time-average reflection-moire method for vibration analysis of plates (TE), AO 18: 1424

Tunable moire grating for optical mapping (E), OL 4: 314

Varifocal moire zone plates for straightness measurement (TE), AO 16: 2445

Visual modeling of laser Doppler anemometer signals by moire fringes (T), AO 15: 137

## Molecules

- See also Spectroscopy, molecular
- Advances in Atomic and Molecular Physics, Volume 10. Edited by D. R. Bates (B), Reviewed by Williams, Dudley, JOSA 64: 894
- Atomic and Molecular Science and Technology Symposium, National Bureau of Standards, 7–8 Sep 1978 (M), Reported by Lide, David R., Jr., AO 18: 2
- Atoms and Molecules in Electric Fields. By Nils Ryde (B), Reviewed by Lochte-Holtgreven, W., AO 16: 1775
- Dielectric and Related Molecular Processes, Volume 2. Reported by Mansel Davies (B), Reviewed by Klingbiel, R. T., JOSA 66: 398
- Electronic Structure of Polymers and Molecular Crystals. Edited by J. M. Andre and J. Ladik (B), Reviewed by Howard, John N., AO 16: A26
- Excited States of Biological Molecules. Edited by J. S. Birks. (B), Reviewed by Breiter, Dennis N., AO 16: 795
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- Excited States, Volume 2. Edited by Edward C. Lim (B), Reviewed by Knox, Robert S., JOSA 66: 635
- High-resolution electronic emission spectrum of molecular nitrogen at 15300 Å (E), JOSA 68: 432
- Images of gas molecules by electron holography. III. Theory of optical spatial domain filter (TE), JOSA 69: 1292
- Internal Rotation and Inversion: An Introduction to the Problems of Large Amplitude Motion in Molecules. By D. G. Lister, J. N. MacDonald, and N. L. Owen (B), Reviewed by Weber, W. H., AO 17: 3857
- Laser-induced chemical reactions (R), AO 13: 301
- Laser-induced mass spectrometry (P), AO 18: 3488
- Laser-pulse requirements for coherent and mode-selective excitation in the quasicontinuum of polyatomic molecules (T), OL 1: 87
- Molecular Electro-Optics. Part 2: Applications to Biopolymers. Edited by C. T. O'Konski (B), Reviewed by Krimm, S., AO 18: 413
- Molecular Energy Transfer. Edited by R. D. Levine and J. Jortner (B), Reviewed by McDaniel, Earl W., AO 15: 2605
- Molecular Energy Transfer. R. D. Levine and J. Jortner, Editors (B), Reviewed by Ham, David O., JOSA 67: 982
- Molecular structure and spectroscopy, 29th symposium, Columbus, 10–14 Jun 1974 (M), Reported by Kirchhoff, W. H.; Johnson, D. R., AO 13: 2185
- Optical microscopic observation of single small molecules (A), JOSA 66: 1124
- Optical microscopic observation of single small molecules (E) (L), AO 15: 2965
- Organic Molecular Photophysics, Volume 2. Edited by J. B. Birks (B), Reviewed by Chehelnik, Edwin D., AO 15: 610
- Organic Molecular Photophysics, Volume 2. Edited by J. B. Birks (B), Reviewed by Wagner, Peter J., JOSA 66: 636
- Physics of Atoms and Molecules. An Introduction to the Structure of Matter. By U. Fano and L. Fano (B), Reviewed by Williams, Dudley, JOSA 64: 734
- Stepwise laser photoionization of molecules in a mass spectrometer: a new method for probing and detection of polyatomic molecules (E), OL 3: 37
- Theory and Application of Molecular Paramagnetism. Edited by E. A. Boudreaux and L. N. Mulay (B), Reviewed by Garstens, M. A., AO 15: 2942
- Theory of Rotating Diatomic Molecules. By Masataka Mizushima (B), Reviewed by Young, Louise D. Gray, JOSA 66: 980

## Moire patterns

See Holography, Interferometry  
ac moire fringe analysis (A), JOSA 67: 1365



Vibrational Spectra of Polyatomic Molecules. By L. M. Sverdlov, M. A. Kovner, and E. P. Krainov (B). Reviewed by Williams, Dudley, JOSA 64: 1348

## Molybdenum

Spectra of Mo XXX, XXXI, and XXXII from a laser-produced plasma (E), JOSA 67: 1521  
Spectrum and energy levels of Mo XIV (A), JOSA 68: 1446

Spectrum and energy levels of thirteen-times ionized molybdenum (Mo XIV) (E), JOSA 69: 144

$4s^2 4p^4-4s 4p^5$  transitions in Zr VII, Nb VIII, and Mo IX (ET), JOSA 66: 896

Transition probabilities for the resonance transitions of Na-like ions (T), JOSA 68: 836

## Monochromators

Aberration reduced mechanically ruled grating for simple rotational mounting (T), JOSA 69: 1538

Adjustable aperture stop to control the divergence and orientation of the beam emerging from a vacuum ultraviolet monochromator (E), AO 13: 2913

Asymmetric concave gratings: theory and applications (T), JOSA 64: 319

Coma compensation in a parabolized Ebert monochromator (T), AO 18: 2280

Design of simple rotating stigmatic concave grating monochromators (T) (L), AO 13: 2739

Diffraction grating transmission efficiencies for XUV and soft x rays (E), AO 16: 1088

Diffuse-direct ultraviolet ratios with a compact double monochromator (ET), AO 17: 827

Doubly curved crystal point-focusing x-ray monochromators (A), JOSA 66: 1136

Doubly curved crystal point-focusing x-ray monochromators: geometrical and practical optics (TE), AO 16: 2081

Fabry-Perot/monochromator system for enhancement of the spectral line-to-noise power ratio from line and continuum sources (T), JOSA 65: 1427

Flexure hinge grating suspension (E) (L), AO 13: 734

Grazing incidence spectrograph-monochromator with a focusing toroidal mirror (TE), AO 18: 1900

High resolution monochromator for the VUV radiation from the DORIS storage ring (E), AO 15: 2559

Holographic concave grating monochromator (P), AO 15: 585

Holographic concave gratings for Seya-Namioka monochromators (T), JOSA 64: 1043

Holographic diffraction gratings used in normal incidence monochromators for synchrotron radiation (E) (L), AO 14: 2317

Lack of validity in the traditional method for determining slit-scattering functions of monochromators (A), JOSA 69: 1401

Laser monochromator of a relativistic proton beam with resolution and accuracy up to  $2 \times 10^5$  (A), JOSA 68: 1632

Mechanical modification to the EU-700 monochromator (E) (L), AO 14: 2565

Monochromator (P), AO 17: 327

Monochromator and light dispersing apparatus (P), AO 15: 1888

Monochromator with concave grating (P), AO 15: 1889

Monochromator with rotatable lens (P), AO 14: 2158

New monochromators of concave grating suitable for space telescopes (ET), AO 17: 1815

On-line data reduction with a prism spectrometer (E), AO 14: 1373

Portable high-resolution laser monochromator-interferometer with multichannel electronic readout (E), AO 18: 4145

Premonochromator for stray light rejection in Raman spectroscopy (E), AO 16: 1085

Quantum efficiency and instrumental polarization of an optical monochromator (R), AO 13: 1965

Quasi-monochromatic calibration source for the wavelength range from  $0.22\mu\text{m}$  to  $7.0\mu\text{m}$  (E), AO 13: 197

Ray tracing through holographic gratings (T), JOSA 64: 1037

Tunable VUV photofragment monochromator (E), AO 17: 2821

Ultraviolet limit of solar radiation at the earth's surface with a photon counting monochromator (E) (L), AO 17: 683

Unfolding first and second order diffracted radiation when using synchrotron radiation sources: a technique (E), AO 14: 1391

Vacuum ultraviolet 6-m monochromator (E), AO 17: 420

Wavelength calibration of a prism monochromator (ET) (L), AO 16: 2791

## Moon

Distance measurement (N), AO 13: 4A16

Infrared and Raman Spectroscopy of Lunar and Terrestrial Minerals. Edited by Clarence Karr, Jr. (B). Reviewed by Green, J. H. S., AO 15: 1894

Operation and performance of a lunar laser ranging station (E), AO 13: 565

Polarization of light reflected from rough planetary surface (T), AO 14: 1395

Source standard for infrared and microwave measurements in astronomy (N), AO 13: 4A16

Use of the moon and the large space telescope as an extrasolar-planet detection system (A), JOSA 64: 531

## MTF

See Modulation transfer function

## Multiphoton processes

Absorption of pulsed  $\text{CO}_2$ -laser radiation by  $\text{SF}_6$  at 140 K (E), OL 3: 238

Calculation of fluence-dependent dissociation probabilities in infrared multiple-photon photolysis (T), OL 4: 403

Calculation of the temperature dependence of the multiphoton absorption spectrum of  $\text{SF}_6$  (T), OL 3: 109

Collisional effects in the multiphoton IR excitation of polyatomic molecules (A), JOSA 68: 1641

Collisional effects in the multiple infrared photon absorption in  $\text{SF}_6$  (E), OL 3: 106

Comparison of multiple-photon excitation models (T), OL 3: 152

Cooperative cascade emission (A), JOSA 68: 707

Detection of atomic hydrogen and deuterium by resonant three-photon ionization (A), JOSA 68: 675

Double phase-matching function (T) (L), JOSA 68: 1780

Effects of external fields upon 4-wave mixing processes in atomic vapors (A), JOSA 68: 675

Effects of molecular rotation and vibration-rotation interaction on collisionless multiple-photon excitation of  $\text{SF}_6$  (T), OL 2: 151

Four-photon polarization spectroscopy: application to the study of motionally narrowed Raman lines and two-photon absorption processes in liquids (A), JOSA 68: 667

Generator of cw VUV by four-wave mixing in Sr vapor (A), JOSA 68: 1378

Hydrogen plasma diagnostics by multiphoton optogalvanic spectroscopy (A), JOSA 68: 1445

Information theoretic analysis of multiphoton excitation and collisional deactivation of polyatomic molecules (A), JOSA 68: 709

Infrared multiphoton primary photophysics (A), JOSA 68: 1641

Isotope separation and internal energy distribution in multiphoton isomerization induced by an infrared laser (A), JOSA 68: 1640

$16\mu\text{m}$  generation from four-wave mixing in germanium (A), JOSA 68: 1639

Molecular ionization by absorption of spontaneous emission (T), OL 2: 154

Multiphoton absorption of  $\text{OsO}_4$  under two- $\text{CO}_2$ -laser pulse excitation (E), OL 3: 103

Multiphoton  $\text{CO}_2$  laser vibrational heating of the triplet state of biacetyl (A), JOSA 68: 1642

Multiphoton dissociation of molecules by direct excitation of the stretching mode (A), JOSA 68: 639

Multiphoton excitation and emission from europium ions in aqueous solution (E), OL 3: 149

Multiphoton ionization spectra of Li vapor (A), JOSA 69: 1410

Multiphoton ionization spectroscopy (A), JOSA 68: 709

Multiphoton laser-induced fluorescence (A), JOSA 69: 1407

Multiphoton Processes. Edited by J. H. Eberly and P. Lambropoulos (B). Reviewed by Howard, John N., AO 18: 3360

Multiphoton ultraviolet photodissociation of ammonia and silane (A), JOSA 68: 1422

Multiple-photon absorption of  $16\text{-}\mu\text{m}$  radiation in  $\text{UF}_6$  at 300 K (E), OL 4: 216

On the role of autoionizing resonances in nonlinear optics (A), JOSA 68: 674

Optical time-of-flight studies of multiple-photon dissociation processes (A), JOSA 68: 640

Optoacoustic studies of two-frequency infrared-laser pumping of  $\text{SF}_6$  (E), OL 4: 84

Photoionization study of multiphoton-excited  $\text{SF}_6$  in a molecular beam (E), OL 4: 219

Photon statistics in multiphoton absorption process (A), JOSA 69: 1414

Resonant four-photon mixing in  $\text{Hb}_{0.77}\text{Cd}_{0.23}\text{Te}$  (A), JOSA 68: 1378

Selective-absorption cross section of  $\text{CF}_3\text{CHCl}_2$  and  $\text{CF}_3\text{CDCl}_2$  at 10.2 and  $10.6\mu\text{m}$  of a TEA  $\text{CO}_2$  laser (E), OL 4: 340

Single-photon transition moments in excited states of spherical-top molecules (T), OL 3: 154

Studies of the  $\text{H}_2$  ( $E, F\Sigma_g^+$ ) state by two-photon excitation (A), JOSA 68: 708

Studies of the metastable  $\text{c}^3\Pi_u$  state of  $\text{H}_2$  towards a two-photon amplifier (A), JOSA 68: 709

Theoretical problems in multiple-photon laser chemistry (A), JOSA 68: 693

Theory of two-photon resonant third harmonic generation with ultrashort pulses (A), JOSA 68: 707

Two-photon absorption coefficients in UV window and coating materials (E), AO 18: 1015

Two-photon resonance-enhanced third harmonic generation in deuterium chloride (A), JOSA 68: 706

Two-photon transitions in optically pumped submillimeter lasers (A), JOSA 68: 710

Very high deuterium isotopic selectivity in IR multiple-photon dissociation of trifluorodichloroethane (A), JOSA 68: 1422

Wavelength dependence of the multiphoton absorption and dissociation of  $\text{SF}_6$  (A), JOSA 68: 710

## National Bureau of Standards

Dimensions/NBS, new publication (N), AO 13: 3A17

Evaluating the inequivalence and a computational simplification for the NBS laser energy standards (TE), AO 16: 2315

Molybdenum high-temperature enthalpy and heat-capacity Standard Reference Material (N), AO 16: 2937

More NBS publications (N), AO 13: 2108

More NBS publications (N), AO 13: 2679

NBS publications (N), AO 16: 2021

Platinum standard reference thermoelement for calibration of base-metal and noble-metal thermocouple materials (N), AO 16: 2864

Publications (N), AO 13: 3A17

## National Science Foundation

See subject areas such as Education, Research, Science

Federal funding for research and development programs from fiscal years 1975 and through 1977 (N), AO 16: 2085

Listing of peer reviewers used by NSF divisions (N), AO 16: 2499

Manpower Resources for Scientific Activities at Universities and Colleges, January 1976 (B), Reviewed by Silverman, Shirleigh, AO 16: 2600

National Research Facility for small-angle neutron scattering, proposals (N), AO 16: 2133

Nominations sought for membership of National Science Board (N), AO 16: 2151

NSF peer review system (N), AO 16: 2746

NSF report on solar heating and cooling (N), AO 16: 2179

Trends and patterns of the immigration of scientists and engineers to the United States (N), AO 16: 2773



*Women and Minorities in Science and Engineering* report published by NSF (N), AO 16: 2165

## Neodymium

Nd:BEL, a new source of picosecond pulses (A), JOSA 68: 1073  
Spectroscopic studies and analysis of the laser states of Nd<sup>3+</sup> in YVO<sub>4</sub> (ET), JOSA 66: 1405

## Neon

Atomic-state densities of Ne I levels and *Nf* values of Br II levels in Ne-Br<sub>2</sub> mixtures (E), JOSA 68: 259  
Atomic-state densities of Ne metastable and Br resonant levels in a Ne-Br<sub>2</sub> mixture (E) (L), JOSA 64: 1720  
Beam-foil spectroscopy of neon between 80 and 350 (E), JOSA 65: 991  
Characteristics of an opto-galvanic effect in cesium and other gas discharge plasmas (E), JOSA 68: 352  
Continued-factorization method for optical dispersion (T), JOSA 64: 1582  
Estimates of density and temperatures, attained in recent neon compression experiments (A), JOSA 68: 549  
Experimental absolute transition probabilities of lines from the 3d'(3/2)<sub>2</sub> level of Ne I (E), JOSA 67: 1327  
Fabry-Perot/monochromator system for enhancement of the spectral line-to-noise power ratio from line and continuum sources (T), JOSA 65: 1427  
Grotrian charts for atoms and ions of rare gases (ET) (L), JOSA 64: 396  
Interferometric analyses of Ne II and Ar II spectral lines from a hollow-cathode discharge (ET), JOSA 64: 186  
Isotope shift in the spectrum of Ne II (E) (L), JOSA 65: 220  
Spatial and frequency distributions of the intensity of pulsed amplified spontaneous emission (TE), JOSA 69: 167  
Transition probabilities for the Ne I 3p-4d array (T) (L), JOSA 66: 971  
Transition probabilities in the spectra of Ne I (T), JOSA 65: 389  
Transition probabilities in the spectra of Ne I, Ar I, and Kr I (T), JOSA 66: 245

## Neptunium

First ionization of neptunium by laser spectroscopy (A), JOSA 68: 1411  
Hyperfine structure, nuclear moments, and configuration interaction in neutral <sup>237</sup>Np (A), JOSA 65: 1188  
Laser spectroscopy of neptunium; first ionization potential, lifetimes and new high-lying energy levels of Np I (E), JOSA 69: 733  
Term analysis of the spectrum of neutral neptunium (NpI) (ET), JOSA 67: 7

## Nickel

Extreme ultraviolet reflection efficiencies of diamond-turned aluminum, polished nickel, and evaporated gold surfaces, AO 17: 3309  
Observations of 3p<sup>2</sup>3d-3p<sup>2</sup>4f and 3p<sup>2</sup>3d-3p<sup>2</sup>3d4s transitions in iron, cobalt, nickel, and copper (ET), JOSA 66: 240  
Optical constants of copper and nickel (E), JOSA 67: 48  
2s<sup>2</sup> 2p<sup>k</sup>-2s 2p<sup>k+1</sup> transitions in the F I to Be I isoelectronic sequences of chromium, iron, and nickel from tokamak-produced plasmas (E), JOSA 69: 1652

## Niobium

Optical properties of bulk niobium from 6.6 to 23 eV (E), JOSA 68: 1017  
4s<sup>2</sup>4p<sup>4</sup>-4s4p<sup>5</sup> transitions in Zr VII, Nb VIII, and Mo IX (ET), JOSA 66: 896

## Nitric acid

Quantitative studies of HNO<sub>3</sub> vapor absorption in 1700-2636-Å wavelength region (ET), AO 13: 1202  
Statistical-band-model analysis and integrated intensity for the 21.8 μm bands of HNO<sub>3</sub> vapor (T), JOSA 65: 10

## Nitrogen

Absolute rotational Raman cross sections for N<sub>2</sub>, O<sub>2</sub>, and CO<sub>2</sub> (TE), JOSA 64: 712

Analysis of autoionization resonance profiles in the emission spectrum of multiply ionized nitrogen (A), JOSA 64: 529  
Beam-foil study of nitrogen between 100 and 400 Å (E), JOSA 64: 1011  
Configuration mixing between 2p3p and 2s4s in N IV (E) (L), JOSA 66: 375  
Determination of the line shapes of atomic nitrogen resonance lines by magnetic scans (ET), AO 15: 2649  
Emission spectrum of nitric oxide between 5 μm and 7 μm (E) (L), AO 15: 599  
Extreme-ultraviolet spectrum of N III (ET), JOSA 64: 1164  
Far-infrared high-resolution Fourier transform spectrometer: applications to H<sub>2</sub>O, NH<sub>3</sub>, and NO<sub>2</sub> lines (E), AO 15: 708  
Grille spectrometers for the study of stratospheric nitrogen compounds (A), JOSA 64: 256  
High-resolution electronic emission spectrum of molecular nitrogen at 15300 Å (E), JOSA 68: 432  
Low-energy electron-stimulated luminescence of N atoms in solid N<sub>2</sub> (A), JOSA 67: 1418  
Low threshold coaxial N<sub>2</sub> laser with a resonator (E) (L), AO 13: 1759  
Measurement of oscillator strengths for the W<sup>3</sup>Δ<sub>u</sub> - X<sup>1</sup>Σ<sub>g</sub><sup>+</sup> band system of molecular nitrogen (A), JOSA 68: 1402  
Nitrogen Rayleigh scattering at 10.6 μm (E), JOSA 67: 108  
Optical oscillator strengths for N II (T), JOSA 69: 1140  
Spectra of N VI, O VII, F VII, and F VIII in the grazing-incidence region (E), JOSA 64: 699  
Spectroscopic analysis of the transverse excited C<sup>3</sup>Π<sub>u</sub> → B<sup>3</sup>Π<sub>g</sub> (0-0) UV laser band of N<sub>2</sub> at room temperature, AO 17: 3081  
Temperature dependence of collision-induced absorption in gaseous N<sub>2</sub> (TE), JOSA 69: 386  
Temperature measurements of OH and N<sub>2</sub> in premixed laminar flames by laser techniques (A), JOSA 68: 1403  
Time-resolved Fourier spectroscopy (ET), JOSA 65: 600  
Tunable-dye-laser-induced enrichment of nitrogen and carbon isotopes (A), JOSA 65: 1181  
Vibrational and rotational-translational temperatures in N<sub>2</sub> by interferometric measurement of the pure rotational Raman effect (E), JOSA 65: 392  
Water vapor-nitrogen absorption at CO<sub>2</sub> laser frequencies (E), AO 18: 834

## Nitrogen oxides

Absolute integrated intensity for the 3.44-μm NO<sub>2</sub> band (E), AO 15: 2551  
Absorption characteristics of the γ-0 band of nitric oxide (TE), AO 17: 1290  
Absorption characteristics of the γ-0 band of nitric oxide: comments (T) (L), AO 18: 419  
Absorption characteristics of the γ-0 band of nitric oxide: reply to comments (T) (L), AO 18: 419  
Application of a pulsed dye laser to optoacoustic detection of NO<sub>2</sub> (A), JOSA 66: 1072  
Atmospheric NO<sub>2</sub> determination by 442-nm laser induced fluorescence (E), AO 14: 1418  
Detectivity estimation of the DAS lidar for NO<sub>2</sub> (T), AO 17: 2734  
Extinction coefficient of the R<sub>1/2</sub>(25/2) NO transition at the 8-7 P(11) CO laser line (E) (L), AO 18: 597  
Fluorescence ambient NO<sub>2</sub> monitor with flash lamp pumping (A), JOSA 66: 1123  
Fluorescence ambient NO<sub>2</sub> monitor with flashlamp pumping (E), AO 16: 1359  
High-resolution Fourier transform infrared measurements of nitric oxide emission (A), JOSA 66: 1093  
*In-situ* line shape corrected measurement of nitric oxide in combustion (A), JOSA 68: 1402  
Inversion of stratospheric aerosol and gaseous constituents from spacecraft solar extinction data in the 0.38-1.0-μm wavelength region (T), AO 18: 1404  
Laser NO<sub>2</sub> fluorescence measurements in flames (E), AO 17: 1099  
Magnetic field-modulated, ultraviolet-resonance absorption NO analyzer (E) (L), AO 13: 239  
Nitrous oxide absorption measurements using a single-frequency DF laser (A), JOSA 64: 541  
NO<sub>2</sub> concentration measurements in an urban atmosphere using differential absorption techniques, AO 13: 1481

NO line parameters measured by CO laser transmittance (E) (L), AO 15: 1686  
Optoacoustic detection of NO<sub>2</sub> using a pulsed dye laser (E), AO 16: 2972  
Optoacoustic measurements of water vapor absorption at selected CO laser wavelengths in the 5-μm region (E) (L), AO 15: 2025  
Pressure-broadened linewidths of the R(9.5)<sub>3/2</sub> NO transition (E), AO 17: 1606  
Remote measurement of HCl, CH<sub>4</sub>, and N<sub>2</sub>O using a single-ended chemical-laser lidar system (ET), AO 15: 3140  
Spectral Atlas of Nitrogen Dioxide: 5530 to 6480 Å. By Donald K. Hsu, David L. Monts, and Richard N. Zare (B), Reviewed by Bird, George R., AO 17: 3190  
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Spectral extinction measurements of urban hazes (A), JOSA 69: 1399  
Spectrophone measurements of isotopes of water vapor and nitric oxide and of phosgene at selected wavelengths in the CO and CO<sub>2</sub> laser region (E), OL 2: 67  
Spectroscopic identification of NO<sub>2</sub> in the atmospheric brown haze over Toronto (A), JOSA 67: 1363  
Sub-Doppler resolution spectroscopy of supersonic molecular beams of nitric oxide (A), JOSA 68: 625  
Vertical distribution of NO, NO<sub>2</sub>, and HNO<sub>3</sub> as derived from stratospheric absorption infrared spectra (ET), AO 14: 825

## Noise

Coherent optical noise suppression device (ET), AO 13: 2244  
Internal thermal noise in optical frequency converters (TE), JOSA 64: 295  
Measurement of low level photodiode noise currents (E), AO 13: 2209  
Optimal estimation in signal-dependent noise (T), JOSA 68: 1665  
Photon noise and atmospheric noise in active optical systems (T), JOSA 65: 551  
Signal processing for a signal with Poisson noise (T) (L), AO 13: 1282  
Signal processing for a signal with Poisson noise: comments (T) (L), AO 13: 2462  
Signal processing for a signal with Poisson noise: reply to comments (T) (L), AO 13: 2463  
Source noise in Fourier-transform spectroscopy (TE) (L), JOSA 64: 1019

## Nomenclature

Abbe and the duffieux comments (L), AO 13: 460  
Abbe or the duffieux (L), AO 13: 2747  
AΩ question (L), AO 14: 2033  
Characteristics of reflection, transmission, scattering, and emission (T) (L), AO 16: 1770  
Coded aperture imaging (L), AO 13: 5  
Collecting capability of an optical system (T) (L), AO 15: 838  
Each: a system of units (ET) (L), AO 14: 795  
Editor's page discussions over twelve years (N), JOSA 65: 864  
English language (N), AO 14: A37  
Fourier transform lens: a misnomer (L), AO 13: 2747  
Geometrical Considerations and Nomenclature for Reflectance. By F. E. Nicodemus, J. C. Richmond, J. J. Hsia, I. W. Ginsberg, and T. Limperis (B), Reviewed by MacAdam, David L., JOSA 68: 554  
Guide number for light sources that emit ultraviolet radiation (TE) (L), AO 15: 574  
How about radiance response? (L), AO 13: 1734  
Line spread function notation (L), AO 15: 2289  
Luminosity, throughput, or etendue? (R), AO 13: 704  
Luminosity, throughput, or etendue? further comments (L), AO 14: 252  
New nomenclature for photon wavenumber (L), AO 13: 1537  
Nomenclature of an image forming system (L), AO 14: 2319  
Nomenclature of polarized light: elliptical polarization (R), AO 13: 222  
Nomenclature of polarized light: linear polarization (R), AO 13: 3  
Optical extent (L), AO 13: 1587  
Radiometric and infrared nomenclature (N), AO 13: 1088



- Rayleigh: interpretation of the unit in terms of column emission rate or apparent radiance expressed in SI units (T), AO 15: 1966
- Rayleigh, the unit for light radiance (T), AO 13: 2160
- Rayleigh, the unit for light radiance: comment (L), AO 14: 559
- Reflection and transmission terminology by analogy with scattering (L), AO 13: 460
- Sagnac or Michelson-Sagnac interferometer? (R) (L), AO 14: 2319
- Terminology of reflection, transmission, scattering, and emission: adjustment of concepts (T) (L), AO 17: 157
- Why the sinc function should be defined as  $(\sin x)/x$  and not  $(\sin \pi x)/\pi x$  (L), AO 13: 705
- Why the sinc function should be defined as  $(\sin x)/x$  and not  $(\sin \pi x)/\pi x$ : comments (T) (L), AO 13: 1734
- ### Nondestructive testing
- See also Holography, Interferometry
- Accurate determination of the change of curvature (bending) of a surface through holographic interferometry (A), JOSA 64: 1381
- Accurate measurement of absolute retardation using holography (TE), AO 17: 3964
- Analysis of double-exposure speckle photography with two-beam illumination (TE), JOSA 64: 857
- Computer-aided holographic vibration analysis for vectorial displacements of bladed disks (E), AO 17: 1733
- Detection of microcracks and imperfections in optical fibers by light scattering (A), JOSA 66: 1100
- Hologram repositioning by an interferometric technique (ET), AO 18: 3838
- Holographic methods for painting diagnostics (E), AO 13: 2009
- Holographic nondestructive testing that utilizes chirped acoustic stressing (A), JOSA 65: 1224
- Holographic Nondestructive Testing. Edited by Robert K. Erf (B). Reviewed by Macovski, Albert, AO 14: 2797
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- Holographic system for nondestructive testing (P), AO 15: 2609
- Holomoir interferometry applied to NDT (ET) (L), AO 17: 3700
- Implementation of hologram interferometry with a continuously scanning reconstruction beam (ET), AO 17: 1727
- Infrared Information Exchange, Proceedings of the Second Biennial. Edited by Cliff Warren (B). Reviewed by Wormser, Eric M., JOSA 66: 1441
- Laser methods in the nondestructive evaluation (NDE) of materials and structures (A), JOSA 66: 384
- Limits to the detection of small internal voids in solids with holographic techniques (T), AO 13: 1711
- Measurement of 3-D stress distribution by a scattered-light method using depolarized incident light (E), AO 18: 321
- Nondestructive interferometric measurement of the delta and alpha of clad optical fibers (ET), AO 16: 2368
- Nondestructive Testing—A Survey. By NASA Technology Utilization Office (B). Reviewed by Kurtz, Robert L., AO 13: 687
- Optical detection of acoustic emission waves (E) (L), AO 16: 2333
- Optical fiber preform diagnostics (E), AO 18: 23
- Opto-ultrasonic sounding system (E), AO 15: 1229
- Profile measurement using projection of running fringes (E), AO 17: 2930
- Quantitative surface topography determination by Nomarski reflection microscopy. I. Theory (T), JOSA 69: 357
- Sandwich hologram interferometry. 4: Holographic studies of two milling machines (E), AO 16: 2521
- Testing Methods and Techniques; Quality Control and Nondestructive Testing—A Compilation. By NASA Technology Utilization Office (B). Reviewed by Kurtz, Robert L., AO 13: 688
- White light speckle method of experimental strain analysis (E) (L), AO 18: 409
- ### Nonlinear optics
- Amplified reflection, phase conjugation, and oscillation in degenerate four-wave mixing (T), OL 1: 16
- Angular momentum dependence of laser-induced birefringence and dichroism in atomic resonance lines (T), JOSA 68: 1184
- Applied Nonlinear Optics. By Frits Zernike and John Midwinter (B). Reviewed by Baldwin, George C., AO 14: A96
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- Asymmetric focusing of a laser beam in TEM<sub>01</sub> doughnut mode in a nonlinear dielectric (T), JOSA 64: 941
- Automatic phase-matched frequency-doubling system for the 240–350-nm region (E), AO 18: 193
- Bistable optical systems based on a Pockels cell (E), OL 4: 115
- Bragg diffraction of a Gaussian beam by a crossed-Gaussian volume grating (T), JOSA 67: 545
- Broadband laser with intracavity crystal for generating second harmonic radiation (P), AO 17: 2261
- Broadly tunable picosecond infrared source (E), OL 4: 325
- Characteristics of the optical parametric oscillator and its use for selective excitation (E), AO 13: 1060
- Coherence and quantum optics, Fourth Rochester Conference, 8–10 June 1977 (M). Reported by Narducci, Lorenzo M., AO 16: 3066
- Coherent anti-Stokes Raman scattering with counterpropagating laser beams (ET), OL 4: 170
- Coherent anti-Stokes Raman spectroscopy: spectra of water vapor in flames (TE), OL 4: 87
- Coherent optical pulse synthesis using phase-locked lasers and nonlinear optical processes (T) (L), AO 18: 1693
- Coherent second-harmonic generation by counterpropagating surface plasmons (E), OL 4: 393
- Collisionless ionization of H<sub>2</sub>O and D<sub>2</sub>O by a high-power CO<sub>2</sub> laser (A), JOSA 67: 1396
- Compensation for channel dispersion by nonlinear optical phase conjugation (T), OL 4: 52
- Conjugate wave-front generation and image reconstruction by four-wave mixing (A), JOSA 67: 1396
- Continuous backward-wave generation by degenerate four-wave mixing in optical fibers (E), OL 4: 42
- Continuous-wave backward-wave generation by degenerate four-wave mixing in ruby (E), OL 3: 4
- Continuous-wave tunable near-infrared (1.085–1.175- $\mu$ m) Raman oscillator (E), OL 1: 96
- Continuous wave UV radiation tunable from 285 nm to 400 nm by harmonic and sum frequency generation (E), AO 17: 721
- Conversion from 3371 to 1124 Å by nonresonant optical frequency tripling in compressed krypton gas (E), OL 4: 134
- Correction of phase aberrations via stimulated Brillouin scattering (E), OL 2: 4
- Crystals of (K, Rb, Tl, NH<sub>4</sub>) TiO(P, As)O<sub>4</sub> and their use in electrooptic devices (P), AO 15: 2947
- Degenerate four-wave mixing in absorbing media (T), OL 2: 94
- Degenerate four-wave mixing in absorbing media (errata), OL 3: 205
- Degenerate four-wave mixing in plasmas (T), OL 4: 363
- Determination of optical irradiance in nonlinear processes (E), AO 17: 3604
- Dewar design for temperature tuned SHG (E), AO 16: 1172
- Double-resonance self-induced transparency (A), JOSA 69: 1476
- Doubly resonant intracavity generation of second harmonic of 1153-nm radiation with stabilization on hyperfine structure components of <sup>127</sup>I<sub>2</sub> (E), AO 18: 3970
- Effect of low-power nonlinear refraction on laser-beam propagation in InSb (TE), OL 4: 331
- Effects of interference on gain saturation in laser resonators (T) (L), JOSA 69: 1717
- Effects of magnetic fields on four-wave mixing processes in atomic vapors (E), OL 3: 209
- Effects of signal detuning on phase conjugation (T), OL 4: 366
- Efficient frequency tripling of CO<sub>2</sub>-laser radiation in tandem CdGeAs<sub>2</sub> crystals (E), OL 4: 55
- Efficient phase-matched infrared third-harmonic generation in liquid CO—O<sub>2</sub>—SF<sub>6</sub> mixtures (ET), OL 2: 33
- Electric-field induced harmonic generation as a probe of the focal region of a laser beam (ET), AO 14: 336
- Electric field induced second harmonic generation in glass (ET), AO 14: 2435
- Enhancement of third harmonic generation in metal-dielectric waveguides (TE), AO 18: 728
- Enhancement of third harmonic generation in metal-dielectric waveguides: comment (T) (L), AO 18: 2733
- Exact decomposition of a Gaussian-averaged nonlinear function (T), OL 4: 38
- Experimental technique of dc induced SHG in liquids: measurement of the nonlinearity of CH<sub>2</sub>I<sub>2</sub> (ET), AO 14: 1447
- Field analysis of harmonic generation in thin-film integrated optics (T), JOSA 69: 1166
- Fourier transform plane superposition multiplier: theory, experimental results, and discussion (TE), AO 17: 3060
- Four-wave and two-wave mixing: theory and experiments in barium titanate (A), JOSA 69: 1476
- Generation and detection of two-photon coherent states in degenerate four-wave mixing (T), OL 4: 334
- Generation of coherent cw radiation tunable from 211 nm to 216 nm (E) (L), AO 17: 2270
- Generation of coherent radiation tunable from 201 nm to 212 nm (E) (L), AO 16: 2356
- Generation of time-reversed replicas of complex wave fronts by nonlinear refraction and stimulated scattering (A), JOSA 68: 689
- Generation of time-reversed wave fronts by nonlinear refraction (T), JOSA 67: 1
- Generation of time-reversed wave fronts by nonlinear refraction (errata), JOSA 68: 1155
- Generation of tunable coherent radiation below 250 nm at MW power levels (E) (L), AO 17: 1313
- Generation of tunable coherent vacuum UV radiation in KB5 (E) (L), AO 17: 981
- Generation of tunable coherent vacuum UV radiation in KB5 (errata), AO 17: 2132
- Generation of tunable far-infrared radiation (P), AO 18: 2606
- Generator of cw VUV by four-wave mixing in Sr vapor (A), JOSA 68: 1378
- Group velocity matching in optical fibers (ET), OL 1: 205
- Harmonic generation in CO<sub>2</sub> laser target interaction (A), JOSA 67: 1396
- High-efficiency degenerate four-wave mixing of 1.06- $\mu$ m radiation in silicon (E), OL 4: 328
- High-efficiency harmonic conversion to 266 nm in ADP and KD\*P (A), JOSA 66: 1126
- High-efficiency pulsed 10.6- $\mu$ m phase-conjugate reflection via degenerate four-wave mixing (E), OL 3: 82
- High-order coherent light scattering due to excitonic molecules in CuCl (A), JOSA 68: 1638
- High power laser propagation (R), AO 15: 1479
- High-resolution, efficient 3  $\mu$ m image up-conversion in Cs vapor (A), JOSA 67: 1395
- Incoherent holographic record of a nonlinear source (E), JOSA 67: 4
- Interference effects in three- and four-wave light mixing (A), JOSA 68: 662
- Interferometric study of the third-order nonlinear susceptibility of benzene (A), JOSA 66: 1126
- Internal thermal noise in optical frequency converters (TE), JOSA 64: 295
- Interpretation of the on-resonance coherent self-focusing (A), JOSA 66: 1126
- Introduction to Nonlinear Optics. By G. C. Baldwin (B). Reviewed by Zernike, Frits, AO 14: 1237
- Laser beam characteristics using dc-induced second harmonic generation (TE), AO 15: 2381
- Laser pulse discrimination by nonlinear optical techniques (A), JOSA 68: 1378
- Laser studies of internal conical refraction (A), JOSA 68: 1379
- Laws of optics at high irradiance. I. Steady-state theory of a saturable slab (T), JOSA 67: 453
- Laws of optics at high irradiance. II. Experiments with SF<sub>6</sub> at normal incidence (E), JOSA 67: 734
- Line shape and amplitude of Doppler-free spectra obtained by degenerate four-wave mixing in Na vapor (A), JOSA 69: 1475



- Multiphoton excitation and emission from europium ions in aqueous solution (E), OL 3: 149
- Narrow optical bandpass filter via nearly degenerate four-wave mixing (T), OL 3: 212
- Nearly degenerate four-wave mixing applied to optical filters (T) (L), AO 18: 143
- Nondegenerate four-wave mixing in integrated optics (E), OL 4: 58
- Nonlinear absorption in direct-gap semiconductors (T), AO 14: 3038
- Nonlinear Fabry-Perot filled with CS<sub>2</sub> and nitrobenzene (ET), OL 4: 40
- Nonlinear interaction between excitons and coherent light (A), JOSA 68: 681
- Nonlinear interaction of a powerful light beam with crystal lattice vibrations (T) (L), AO 17: 689
- Nonlinearities in optical fiber waveguides (A), JOSA 67: 1361
- Nonlinear optical beam calculations using transform methods (A), JOSA 67: 1396
- Nonlinear optical birefringence gratings in nematic liquid crystals at Fredericksz transitions (A), JOSA 68: 1624
- Nonlinear optical component (P), AO 14: 1043
- Nonlinear optical component (P), AO 14: 1044
- Nonlinear optical properties of Nd<sup>3+</sup> in YAG (A), JOSA 69: 1477
- Nonlinear-optical techniques for the generation of ultraviolet, vacuum-ultraviolet, and soft-x-ray radiation (A), JOSA 64: 556
- Nonlinear Optics. Edited by Philip G. Harper and Brian S. Wherrett (B), Reviewed by McDaniel, Earl W., AO 17: 2127
- Nonlinear Optics: Proceedings of the Second All-Union Conference on Nonlinear Optics. Edited by R. V. Khokhlov (B), Reviewed by Armstrong, John A., AO 14: 2568
- Nonlinear pulse propagation in optical fibers (T), OL 3: 202
- Nonlinear reflection properties of germanium associated with thermal effects (T), AO 17: 520
- Normalization technique for accurate measurement of two-photon absorption coefficients (A), JOSA 66: 78
- Nuclear orientation induced by intense resonant laser radiation (A), JOSA 66: 1125
- Observation of amplified reflection by degenerate four-wave mixing in atomic sodium vapor (E), OL 2: 58
- Observation of dipole forces exerted on neutral atoms by intensity gradients of resonant light (A), JOSA 68: 1377
- Optical bistability via thermal effects in a glass filter (A), JOSA 68: 1378
- Optical distortion in nonlinear phase conjugation by three-wave mixing (TE), JOSA 69: 968
- Optical mixing of surface plasmons (A), JOSA 68: 662
- Optical parametric amplifiers (A), JOSA 68: 688
- Optical wave-front conjugation by saturated absorption in atomic sodium vapor (A), JOSA 68: 689
- Parametric oscillator: a grating-coupled CdSe OPO (E) (L), AO 16: 809
- Parametric oscillator: hf oscillator-amplifier pumped CdSe parametric oscillator tunable from 14.1  $\mu$ m to 16.4  $\mu$ m (E), AO 15: 1322
- Phase compensation for thermal blooming (T), AO 13: 331
- Phase conjugation, amplified reflection and oscillation via four-wave optical mixing (A), JOSA 68: 689
- Phase conjugation by stimulated light scattering (A), JOSA 68: 690
- Phase determination by conjugate wave-front generation (T) (L), JOSA 68: 1135
- Phase matched optical wave generator for integrated optical circuits (P), AO 14: 1756
- Photoionization study of multiphoton-excited SF<sub>6</sub> in a molecular beam (E), OL 4: 219
- Polarization sensitive nonlinear spectroscopy with a Faraday rotator (A), JOSA 69: 1476
- Pressure dependence of integrated CARS power (ET), AO 17: 1418
- Progress in Optics, Vol. 15. Edited by Emil Wolf (B), Reviewed by Young, Matt, JOSA 69: 371
- Pure rotational stimulated Raman photoacoustic spectroscopy (E), OL 4: 395
- Quenching of two-photon fluorescence and stimulated anti-Stokes emission in rhodamine solutions (E), AO 18: 1383
- Recent Advances in Optical Physics; Proceedings of 1975-ICO-10 Prague. Edited by Bedrich Havelka and Jan Blabka (B), Reviewed by Harris, Franklin S., Jr., AO 16: 2778
- Refractive index interpolation in phase-matching (TE) (L), AO 15: 305
- Remote SO<sub>2</sub> measurements at 4  $\mu$ m with a continuously tunable source (E), OL 2: 163
- Resonant four-photon mixing in Hb<sub>0.77</sub>Cd<sub>0.23</sub>Te (A), JOSA 68: 1378
- Resonantly enhanced generation of time-reversed wave fronts in rubidium vapor (A), JOSA 68: 690
- Resonant phase-conjugate reflection and amplification at 10.6  $\mu$ m in inverted CO<sub>2</sub> (E), OL 4: 140
- Resonant scanning optical microscope (T), AO 17: 2879
- Selective resonant inversion of atomic vapors for isotope separation (A), JOSA 66: 1125
- Self-induced beam steering of intense laser pulses in nonlinear media (T) (L), AO 13: 1288
- Shifting of rhodamine dye-laser light into the blue-green (E) (L), AO 17: 3702
- Solitons created by chirped initial profiles in coherent pulse propagation (T), JOSA 69: 597
- Spatial convolution and correlation of optical fields via degenerate four-wave mixing (T), OL 3: 7
- Spatial-diffusion measurements in impurity-doped solids by degenerate four-wave mixing (E), OL 4: 124
- Spatially resolved coherent anti-Stokes Raman spectroscopy from a line across a CH<sub>4</sub> jet (E), OL 4: 167
- Stimulated Raman spectroscopy using low-power cw lasers (E), OL 1: 152
- Sum frequency mixing in potassium pentaborate as a source of tunable coherent radiation at wavelengths below 217 nm (E), AO 15: 3131
- Temperature-dependent Sellmeier coefficients and coherence length for cadmium telluride (T), JOSA 67: 628
- Temperature-dependent Sellmeier coefficients and nonlinear optics average power limit for germanium (T), JOSA 69: 178
- Temperature-dependent Sellmeier coefficients and coherence lengths for some chalcopyrite crystals (T), JOSA 69: 730
- Theory of cw Raman oscillation in optical fibers (T), JOSA 69: 803
- Theory of phase conjugation by stimulated scattering in a waveguide (T), JOSA 68: 1050
- Thermal self-focusing of TEM<sub>01</sub> laser beams and ring-shape self-focusing of two specific mixtures of modes (T), JOSA 65: 1027
- Third-harmonic conversion of XeCl-laser radiation (ET), OL 4: 242
- Time-dependent calculations of harmonic conversion from 532 to 266 nm in ADP (A), JOSA 66: 1126
- Two-photon coherent propagation and third-harmonic generation (T), OL 1: 158
- Two-photon lidar technique for remote sensing of atomic oxygen (T), AO 18: 316
- Two-photon photorefractive effects at low peak powers (A), JOSA 67: 1396
- Two-photon resonant IR up conversion in metal vapors (A), JOSA 68: 1378
- Upconversion linearity in proustite for short 10.6- $\mu$ m pulse diagnostics (E), OL 4: 45
- Upconversion of broadband infrared spectra (E), AO 17: 1238
- Wavelength dependence of seeing (TE), JOSA 68: 877
- Wavelength temperature and angle bandwidths in SHG of focused beams in nonlinear crystals (ET), AO 18: 733
- Widely tunable infrared source by coherent Raman mixing in H<sub>2</sub> (A), JOSA 66: 1126
- ### Nuclear magnetic resonance
- N.M.R. and Chemistry: An Introduction to Nuclear Magnetic Resonance Spectroscopy. By J. W. Akitt (B), Reviewed by Regan, Thomas H., JOSA 64: 254
- ### Oceanography
- See also Radiation transfer
- Airborne bathymetric charting using pulsed blue-green lasers (TE), AO 16: 46
- Albedo of the ocean-atmosphere system: influence of sea foam (T), AO 16: 2257
- Algebraic expression for the diffuse irradiance reflectivity of water from the two-flow model (T), AO 16: 202
- Arctic Bulletin, journal (N), AO 14: 219
- Asymptotic radiance and polarization in optically thick media: ocean and clouds (T), AO 15: 3166
- Bering: the Soviet-American Experiment. Edited by K. Ya. Kondratyev, Yu. I. Rabinovich and W. Nordberg (B), Reviewed by Howard, John N., AO 15: A159
- Capillary wave measurements (E), AO 18: 1167
- Chlorophyll gradient map from high-altitude ocean-color-scanner data (E) (L), AO 18: 3715
- Color of the ocean (T), AO 17: 1432
- Computed relationships between the inherent and apparent optical properties of a flat homogeneous ocean (T), AO 14: 417
- Critical angle scattering by a bubble: physical-optics approximation and observations (TE), JOSA 69: 1205
- Deep sea optical viewing systems: methodologies for their analyses and synthesis (T), AO 14: 2371
- Determination of inherent optical properties of Lake Ontario coastal waters (E), AO 18: 3926
- Determination of wave slopes from photographs of the ocean surface: a new approach (T), AO 17: 3450
- Diffuse reflectance of the ocean: some effects of vertical structure (T), AO 14: 2892
- Diffuse reflectance of the ocean: the theory of its augmentation by chlorophyll a fluorescence at 685 nm (T), AO 18: 1161
- Dynamics of the southern ocean to be studied (N), AO 13: 244
- Effective infrared optical depths associated with the clear ocean (T), AO 17: 3054
- Effect of sea-state on the performance of laser fluorosensors (T), AO 17: 2730
- Effects of temperature and humidity fluctuations on the optical refractive index in the marine boundary layer (ET), JOSA 65: 1502
- El nino watch atlas (N), AO 18: 940
- Estimation of the depth of sunlight penetration in the sea for remote sensing (T), AO 14: 413
- Estimation of the depth of sunlight penetration in natural waters for the remote sensing of chlorophyll a via *in vivo* fluorescence (T) (L), AO 18: 1883
- Estimation of the refractive-index temperature structure parameter over the ocean (ET), AO 16: 334
- Fiber optic hydrophone: improved strain configuration and environmental noise protection (T), AO 18: 2933
- Influence of bottom depth and albedo on the diffuse reflectance of a flat homogeneous ocean (T), AO 13: 2153
- Inhomogeneous electromagnetic waves appearing at an ocean-air interface (A), JOSA 68: 1406
- In situ* quantum efficiency of oceanic photosynthesis (T), AO 18: 442
- Irradiance attenuation coefficient in a stratified ocean: a local property of the medium? (A), JOSA 68: 1424
- Isophotes of sunlight glitter on a wind-ruffled sea (T), AO 16: 643
- Laser probe for measuring 2-D wave slope spectra of ocean capillary waves (ET), AO 16: 1074
- Lasers for hydrographic studies, NASA conference on, Wallops Island, 12 Sep 1973 (M), Reported by Measures, Raymond M., AO 13: 8
- Light in the Sea. By John E. Tyler (B), Reviewed by Houston, Joseph B., Jr., AO 17: 2470
- Limitation on image resolution imposed by a random medium (T), AO 17: 348
- Limiting range of an active-viewing system in water (A), JOSA 64: 547
- LOOK SEA laser-illuminated underwater viewing system (A), JOSA 66: 381
- Marine Optics. By N. G. Jerlov (B), Reviewed by Dolezalek, Hans, AO 16: 1115
- Measurement of capillary wave slopes on the ocean (E) (L), AO 17: 15
- Multichannel forward scattering meter for oceanography (E), AO 13: 548
- New proposal documentation (N), AO 13: 1049
- North Pacific Experiment proposals (N), AO 17: 1561
- NSF international decade of ocean exploration marine science affairs program (N), AO 16: 653
- NSF report on pollutants transferred into marine environment (N), AO 16: 653



Ocean analysis by means of Beer's law (T), AO 15: 2565

Ocean color spectra measured off the Oregon coast: characteristic vectors (E), AO 15: 394

Ocean color spectrum calculations (T), AO 13: 2422

Ocean study reports available (N), AO 17: 1943

One-parameter characterization of the ocean's inherent optical properties for remote sensing (T) (L), AO 16: 2627

Optical Aspects of Oceanography. Edited by N. G. Jerlov and E. S. Nielsen (B), JOSA 65: 223

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Optical constants in the infrared for  $K_2SO_4$ ,  $NH_4H_2PO_4$ , and  $H_2SO_4$  in water (E), JOSA 64: 39

Optical properties of sea water in the infrared (E), JOSA 66: 554

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Passive remote sensing techniques for mapping water depth and bottom features (TE), AO 17: 379

PATZ—an underwater LLL TV camera with internal pan and tilt, zoom (A), JOSA 66: 1124

Photon irradiance sensor (E) (L), AO 17: 12

Photon scalar irradiance meter (E) (L), AO 18: 1698

Radiance distribution over a ruffled sea: contributions from glitter, sky, and ocean (T), AO 15: 3161

Radiative transfer in the earth's atmosphere and ocean: influence of ocean waves (T), AO 14: 1924

Radiative transfer in the ocean: a method for determination of absorption and scattering properties (E) (L), AO 15: 2611

Radiative transfer: technique for simulating the ocean in satellite remote sensing calculations (T), AO 15: 1974

Reflectance of a flat ocean in the limit of zero water depth (T) (L), AO 16: 282

Relationships between Secchi depth and inherent optical properties of natural waters (T) (L), AO 17: 3341

Reminder—NSF form 831 required for research vessel use (N), AO 15: 1625

Remote sensing in oceanography, symposium on, Walt Disney World, 2-5 Oct 1973 (M), Reported by McCluney, W. R., AO 13: 10

Remote sensing of chlorophyll in an atmosphere—ocean environment: a theoretical study (T), AO 15: 273

Remote sensing of optical properties in continuously stratified waters (T), AO 17: 1893

Remote sensing of subsurface water temperature by Raman scattering (ET), AO 18: 1732

Report on environmental quality off New Jersey coast (N), AO 16: 461

Research ship *Eltanin* to resume science cruises (N), AO 13: 1133

Sea echo measurements made with 1.06- $\mu$ m laser radiation (E) (L), AO 13: 2477

Size—refractive index distribution of clear coastal water particulates from light scattering (TE), AO 13: 2874

Spectral variations in the volume scattering function at large angles in natural waters (TE), JOSA 64: 773

Stochastic rays in a waveguide, JOSA 66: 893

Sunlight glitter on a wind-ruffled sea: further studies (T), AO 18: 842

Teledetection of the thickness of oil films on polluted water based on the oil fluorescence properties (E), AO 18: 1746

*The Seahorse*, quarterly publication available (N), AO 17: 2052

Use of point spread and beam spread functions for analysis of imaging systems in water (TE), JOSA 67: 1105

Volume, Pollutant Effects on Marine Organisms (N), AO 17: 910

Volume scattering function of suspended particulate matter at near-forward angles: a comparison of experimental and theoretical values (ET), AO 17: 1125

## Of Optics and Opticists

AO 13: A14, AO 14: A14, AO 14: A40, AO 14: A66, AO 14: 2034, AO 14: 2795, AO 14: A118, AO 14: A142, AO 14: A158, AO 14: A173, AO 14: A200, AO 14: A224, AO 15: 323, AO 15: 576, AO 15: A60, AO 15: A75, AO 15: A89, AO 15: 1659, AO 15: 1890, AO 15: A114, AO 15: A135, AO 16: 10, AO 16: 274, AO 16: 529, AO 16: 783, AO 16: 1114, AO 16: 1461, AO 16: 1767, AO 16: 2022, AO 16: 2348, AO 16: 2590, AO 16: 2782, AO 16: 3061, AO 17: 5, AO 17: 325, AO 17: 678, AO 17: 979, AO 17: 1312, AO 17: 1662, AO 17: 1983, AO 17: 2265, AO 17: 2664, AO 17: 3025, AO 17: A251, AO 17: A275, AO 18: A3, AO 18: 255, AO 18: A52, AO 18: 1105, AO 18: 1300, AO 18: 3208, AO 18: A116

## Optical Activities in Industry

AO 13: 13, AO 13: 229, AO 13: 457, AO 13: 707, AO 13: 1010, AO 13: 1264, AO 13: 1541, AO 13: 1737, AO 13: 1987, AO 13: 2449, AO 13: 2748, AO 14: 11, AO 14: 253, AO 14: 553, AO 14: 803, AO 14: 1051, AO 14: 1252, AO 14: 1753, AO 14: 2036, AO 14: 2791, AO 15: 293, AO 15: 836, AO 15: 1104, AO 15: 1353, AO 15: 1661, AO 16: 1459, AO 16: 272, AO 16: 1122, AO 16: 2019, AO 16: 2344, AO 16: 2586, AO 16: 2785, AO 17: 6, AO 17: 321, AO 17: 671, AO 17: 977, AO 17: 1307, AO 17: 1661, AO 17: 3022, AO 18: 253, AO 18: 608, AO 18: 1284, AO 18: 1695, AO 18: 2090, AO 18: 2525, AO 18: 2907, AO 18: 3205, AO 18: 3535, AO 18: 3878

## Optical Activities in the Universities

AO 15: 590, AO 17: 2128, AO 17: 3336, AO 18: 609, AO 18: 1126, AO 18: 1841

Applied optics curriculum at Georgia Tech (L), AO 17: 501

Institute of Optical Research (N), AO 15: 1885

Institute of Optical Research activities, Stockholm, Sweden (N), AO 17: 2858

Optics textbooks (N), AO 16: 2780

## Optical communications

See also Fiber optics

Acoustooptic Bragg-diffraction with application to ultrahigh data rate laser communication systems. 1: Theoretical considerations of the standing wave ultrasonic Bragg cell (T), AO 16: 3032

Acoustooptic Bragg-diffraction with application to ultrahigh data rate laser communication systems. 2: Experimental results of the SUBC and the acoustooptical multiplexer/demultiplexer terminals (ET), AO 16: 3044

Aircraft window polarization testing for a 1-Gbps laser communication test (A), JOSA 69: 1405

Air Force 1-GBPS space-borne optical communications system (A), JOSA 66: 388

Analysis of scattering from fiber waveguides with irregular core surfaces (T), AO 13: 2370

Analysis of thermal conditions in  $CO_2$  laser splicing of optical fibers (TE), AO 16: 2743

Application of the mechanical theory of light to fiber optics (T), JOSA 65: 174

Applications of Stark cells to  $CO_2$  laser communication (A), JOSA 66: 389

Atlanta system experiments overview (A), JOSA 67: 709

Atmospheric optical communication workshop, Oregon Graduate Center, 21-23 Jan 1976 (M), Reported by McIntyre, Charles M.; Kerr, J. Richard; Titterton, Paul J., AO 16: 785

Atmospheric scatter channel for optical communications over the horizon (A), JOSA 68: 541

Attenuation measurement in glasses for optical communications: an immersion method (E), AO 15: 256

Averaged threshold receiver for direct detection of optical communications through the lognormal atmospheric channel (T), AO 16: 2669

Beaming messages of light in U.S. Navy (N), AO 18: A26

Blue-green laser communication filter-receiver (A), JOSA 69: 1427

Blue-green pulsed propagation through fog (ET), AO 18: 429

Calculation of coupling losses between light emitting diodes and low-loss optical fibers (T), AO 14: 288

Calculation of the maximum optical coupling efficiency into multimode optical waveguides (T), AO 13: 1029

Carbon dioxide laser space data relay links (A), JOSA 64: 520

Channel simulation for optical communication systems (ET) (L), AO 13: 1283

Channel waveguide electro-optic devices for communications and information processing (A), JOSA 66: 291

Chirped-pulse compression in strongly dispersive media (T), JOSA 67: 1575

Closed form expression for optical pulse broadening in multiple-scattering media (T) (L), AO 17: 504

Coherent optical processing method and system having improved signal-to-noise ratio utilizing polarizing filters (P), AO 14: 1457

Communication-system losses due to polarization mixing resulting from mirror contamination and angle-of-incidence effects (A), JOSA 64: 521

Compensation for channel dispersion by nonlinear optical phase conjugation (T), OL 4: 52

Computational approach for predicting the optical behavior of multimode fiber optic switching devices (TE), JOSA 69: 443

Computing the propagation characteristics of radially stratified fibers: an efficient method (T), AO 16: 483

Continuous fiber optical transmit and receive terminal (P), AO 15: 1888

Coupler for optical communication system (P), AO 18: 3892

Coupler for semiconductor lasers (P), AO 17: 1468

Cramer-Rao bounds on mensuration errors (TE), AO 15: 1270

Data distribution using fiber optics (T), AO 14: 2571

Data highway using optical fiber cable (A), JOSA 66: 390

Definition weaknesses in atmospheric experiments in low visibility atmospheres (T) (L), AO 17: 3029

Determination of coupling coefficients by means of a fiber resonator (T), JOSA 67: 997

Direct demonstration of distortionless picosecond-pulse propagation in kilometer-length optical fibers (E), OL 4: 297

Direct transmission of pictorial information in multimode optical fibers (T), JOSA 66: 306

Dispersion in step-index silicone-clad fibers (E), AO 18: 4000

Dispersion minimization in dielectric waveguides: comment on (T) (L), AO 13: 1289

Dispersion minimization in dielectric waveguides: reply to comment on (L), AO 13: 1290

Distortion losses in cabled optical fibers (T) (L), AO 14: 20

Drawing-induced coloration in vitreous silica fibers (E), JOSA 64: 475

Effect of temperature on fiber loss and pulse delay distortion for an exploratory fiber optical cable (A), JOSA 67: 708

Effect of the cladding on pulse broadening in graded-index optical waveguides (T), AO 16: 2171

Effects of beam displacement and front and back mistracking of junction lasers on lightwave transmitter output stability (E), AO 17: 2219

Effects of co-channel interference on optical, code division multiple access communication systems (A), JOSA 69: 1462

Effects of random path fluctuations on the accuracy of laser ranging systems (T), AO 15: 2539

Effects of system inaccuracies on the probability of bit error for pulsed communication systems (T), AO 13: 1034

Elastomer coating to reduce microbending loss (P), AO 18: A214

Electro-optical communication of visual images (P), AO 15: 11

Electrooptic multiplexer system for multimode fiber communications (E), AO 17: 3688

End preparation and fusion splicing of an optical fiber array with a  $CO_2$  laser (E), AO 18: 3256

Enhanced Faraday effect and its application to optical communication (E), AO 16: 751



- Equivalence of threshold detection with and without dead time (T) (L), AO 18: 3886
- Error probability deterioration causes: effect on the confidence level of atmospheric laser links; entropy of an atmospheric path (T) (L), AO 16: 283
- Estimation of optical field mean intensities from photocount correlations (ET), AO 13: 2171
- Evaluation of fiber optical waveguides using Brillouin spectroscopy (E), AO 13: 1376
- Evaluation of optical heterodyne detectors at 5145 Å (E) (L), AO 16: 1810
- Excess loss caused by a lossy outer layer in multimode optical fibers (ET), AO 16: 1038
- Excess loss caused by an outer layer in multimode step-index fibers: experiment (ET), AO 16: 1320
- Excess loss caused by the outer layer in a multimode step-index optical fiber (T), AO 16: 2732
- Experimental fiber optics communications system (A), JOSA 66: 391
- Experimental 400 Mb/s digital transmission system using Selfoc fiber (A), JOSA 67: 708
- Experimental undersea telephone cable, using glass fibers (N), AO 18: 2376
- Extended line-of-sight optical communications (A), JOSA 66: 389
- Fail-safe fiber-optics data bus using active multimode mirror terminals (E), AO 17: 2947
- Fiber attenuation (N), AO 14: A66
- Fiber bandwidth-spectrum studies (T), AO 18: 3242
- Fiber Optics in Communications Systems. By Glenn A. Eliot and Herbert A. Eliot (B), Reviewed by Cartledge, John C., AO 18: 147
- Field experiment of PIM-IM optical fiber communication system and its stability against environmental conditions (A), JOSA 67: 709
- Field trial of optical fiber communication for power system (A), JOSA 67: 709
- Fourier transform simulator measurement of a laser communication beam (A), JOSA 66: 1137
- Frequency response of optical fibers using a combination time-frequency domain technique (E) (L), AO 18: 1877
- Full duplex transmission link over single-strand optical fiber (E), OL 1: 107
- Fundamentals of Optical Fiber Communications. Edited by Michael K. Barnoski (B), Reviewed by Meyer-Arendt, Jürgen R., AO 15: 2601
- GaAlAs laser transmitter for optical-fiber transmission systems (A), JOSA 66: 391
- Gallium arsenide laser-array-on-silicon package (E), AO 17: 479
- 1-Gbps laser communications using a QPSK subcarrier (A), JOSA 64: 520
- Gregorian all-reflective optical system (P), AO 17: 1473
- Growth potential of Nd:YAG space laser communications (A), JOSA 64: 521
- Half-duplex optical transmission link using an LED source-detector scheme (E), OL 2: 103
- Hawaii's first optical fiber telecommunications system (N), AO 17: 950
- Hot splices of optical waveguide fibers (E), AO 15: 793
- Ideal light source for an optical communications channel (A), JOSA 66: 1075
- Ideal light source for an optical communication channel (T) (L), JOSA 66: 968
- Image communication system (P), AO 15: 1346
- Impulse response of a step index optical fiber excited by a Lambertian source (T), AO 16: 1311
- Impulse response of a step index optical fiber excited by a Lambertian source: addendum (T) (L), AO 16: 3082
- Influence of baseband frequency responses of optical components on the transmission system design (A), JOSA 67: 708
- In-line connectors for multimode optical waveguide bundles (E) (L), AO 13: 240
- Joint signal current probability distribution for optical heterodyne receiver arrays in the turbulent atmosphere (TE), AO 18: 2315
- Krypton-pumped YAG laser for optical communications (A), JOSA 66: 384
- Large bandwidth optical communications systems utilizing an incoherent optical source (P), AO 18: 261
- Laser beam propagation in particulate media (T), JOSA 64: 68
- Laser diodes for fiber communications (A), JOSA 67: 708
- Light amplifier (P), AO 16: 798
- Light emitting element drive system (P), AO 18: 3347
- Liquid-crystal fiber-optic switch (E), OL 4: 155
- Low-loss FEP-clad silica fibers (E), AO 14: 156
- Low-loss optical demultiplexer for WDM systems in the 0.8- $\mu$ m wavelength region (E), AO 18: 2834
- Low-loss single-mode fibers with different  $B_2O_3$ - $SiO_2$  compositions (ET), AO 17: 1836
- Low-visibility optical communications: received signal level as a function of receiver field of view (E) (L), AO 15: 314
- Low V-number optical fibers: secondary maxima in the far-field radiation pattern (E), JOSA 69: 1587
- Maximum entropy image restoration. I. The entropy expression (T), JOSA 67: 1656
- Measurement of spectral total and scattering losses in unclad optical fibers (ET), JOSA 64: 469
- Measurement of the gain and refraction effects in a solid state laser (TE), AO 18: 175
- Measurements of the absorption coefficient in fiber optical waveguides using a calorimetric technique (ET) (L), AO 14: 1258
- Measurements of the baseband frequency response of a 1-km fiber (E), AO 13: 266
- Mechanical one-to-many fiber-optic switch (ET), AO 18: 2068
- Microlenses to improve LED-to-fiber optical coupling and alignment tolerance (ET), AO 18: 3694
- Minimization of the prime power consumption of a coupling-modulated gas laser transmitter (T), AO 13: 2489
- Modal fields of anisotropic channel waveguides (T), JOSA 67: 523
- Modes in graded noncircular multimode optical fibers (ET), OL 4: 414
- Mode transducer for optical waveguides (P), AO 17: 1470
- Modified laser communications subcarrier technique (ET) (L), AO 14: 276
- Moving optical-fiber switch experiment (E), AO 17: 3675
- Multimode optical multiplexing with low-voltage drivers (ET), OL 3: 136
- Multiple scattering analysis of the propagation of radiance through the atmosphere (A), JOSA 67: 1376
- Multiplexing with a white light interferometric communication system (A), JOSA 66: 1131
- Neodymium-doped fiber lasers: room temperature cw operation with an injection laser pump (E) (L), AO 13: 1256
- New class of optical communication systems (A), JOSA 66: 178
- Observation of dead-time-modified photocounting distributions for modulated laser radiation (E), JOSA 68: 1338
- Optical access couplers and a comparison of multiterminal fiber communication systems (TE), AO 15: 244
- Optical antenna gain. 1: Transmitting antennas (T), AO 13: 2134
- Optical antenna gain. 2: Receiving antennas (T), AO 13: 2397
- Optical antenna gain. 2: Receiving antennas (T) (errata), AO 13: 2762
- Optical communication at the source bandwidth limit (TE), AO 16: 1184
- Optical communication cable (P), AO 18: 3220
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- Optical communication through atmospheric turbulence (A), JOSA 68: 1398
- Optical communication with laser-intensity subcarrier frequency modulation (A), JOSA 64: 1402
- Optical communication with visible lasers (A), JOSA 64: 520
- Optical data links for short-haul high-level performance at 16 and 32 Mb/s (A), JOSA 67: 709
- Optical demultiplexer for a wavelength division multiplexing system (E), AO 18: 1253
- Optical design aspects of the 10.6  $\mu$ m laser data relay link (LDRL) transmitter/receiver (A), JOSA 66: 389
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- Optical fiber end preparation using a  $CO_2$  laser (E), AO 17: 1210
- Optical fibers for communication (R), AO 13: 249
- Optical Fibers for Transmission. By John E. Midwinter (B), Reviewed by Gottlieb, Milton, AO 18: 3164
- Optical fiber splicing with a low-power  $CO_2$  laser (E), AO 16: 1636
- Optical fiber switch driven by PZT bimorph (E) (L), AO 17: 3531
- Optical fiber transmission compensator (P), AO 17: 1985
- Optical fiber transmission lines (A), JOSA 66: 291
- Optical fiber transmission properties before and after cable manufacture (A), JOSA 67: 707
- Optical fiber transmission system for 32 Mb/s (A), JOSA 67: 708
- Optical fiber transmission system studies in the U.K. post office (A), JOSA 67: 708
- Optical intermediate amplifier for communication system (P), AO 15: 2947
- Optical intermediate amplifier for a communication system (P), AO 15: 2947
- Optical multiplexer/demultiplexer with interferometer elements (P), AO 18: 3958
- Optical pulses in atmospheric turbulence (T), JOSA 64: 68
- Optical switch for multimode optical-fiber systems (E), OL 4: 27
- Optical systems for electric power companies (A), JOSA 67: 709
- Optical transmission fiber (P), AO 17: 1470
- Optical transmission line by-pass relay (P), AO 18: A214
- Optical two-way TV transmission (E), OL 4: 24
- Optical wave guide (P), AO 17: 1667
- Optical waveguide cable connection (E), AO 15: 2785
- Optical waveguide with unequally spaced lenses (P), AO 13: 11A26
- Optimum detection in optical communications with a simple counting processor (A), JOSA 68: 1384
- Optimum photon detection with a simple counting processor (T), OL 1: 208
- Optoelectronic communications system (P), AO 18: 3937
- Paired optical-fiber switch for optical data-bus systems (E), OL 4: 346
- Parabolic fiber cutoffs: a comparison of theories (T), JOSA 67: 1185
- Partially clad triangular-cored glass optical fibers and lasers (E), JOSA 64: 1415
- Performance and growth potential of  $CO_2$  laser space communication systems (A), JOSA 66: 388
- Performance characteristics of digital base-band laser communication systems (A), JOSA 64: 520
- Photoelectron Statistics, with Applications to Spectroscopy and Optical Communication. By B. Saleh (B), Reviewed by Mandel, Leonard, JOSA 68: 1291
- Piezoelectric stack for beam control (E) (L), AO 16: 1468
- Polarizability of the metallic grains of a two-dimensional film in interaction with the electric field on an electromagnetic wave (TE), JOSA 68: 1019
- Practical limitation on M-ary optical communications data rates (T) (L), AO 14: 567
- Preform index profiling (PIP) (E), AO 18: 671
- Production experience with PSP optical fiber cable for the Martlesham/Ipswich link (A), JOSA 67: 709
- Program for numerical analysis of optical-heterodyne communication systems (A), JOSA 64: 521
- Progress in Optics, Vol. 14. Edited by Emil Wolf (B), Reviewed by Young, Matt, JOSA 67: 1132
- Progress toward practical military fiber optical communication systems (A), JOSA 67: 709
- Propagation experiments in low-visibility atmospheres (E), AO 17: 899
- Propagation in graded-index fibers: comparison between experiment and three theories (TE), AO 17: 2831
- Properties of the terminated optical crossbar matrix (T) (L), AO 15: 2950



- Prospects for optical-fiber communication (A), JOSA 65: 1220
- Pulse broadening in graded-index optical fibers (TE), AO 15: 483
- Pulse broadening in long-span single-mode fibers around a material-dispersion-free wavelength (E), OL 2: 106
- Pulse broadening in optical fibers (T) (L), AO 16: 2583
- Pulse widening in a multimode optical fiber excited by a pulsed GaAs LED (E), AO 13: 264
- Radiance produced by laser radiation transversing a particulate multiple-scattering medium (T), JOSA 67: 815
- Radiance produced by laser radiation traversing a particulate multiple-scattering medium (T) (errata), JOSA 67: 1695
- Rays, stored energy, and power flow in dielectric waveguides (T), JOSA 64: 174
- Ray theory of randomly bent multimode optical fibers (T), OL 3: 63
- Ray trajectories in optical fiber tapered sections (T), AO 17: 3670
- Robust fiber-optic interconnecting wires using redundancy (T), AO 14: 1228
- Semiconductor lasers with a thin active layer (greater than  $0.1 \mu\text{m}$ ) for optical communications (E), AO 17: 311
- Semiconductor laser to single-mode fiber coupler (E), AO 18: 1847
- Signaling in monomode fibers (A), JOSA 69: 1457
- Signal processing for a signal with Poisson noise (T) (L), AO 13: 1282
- Signal processing for a signal with Poisson noise: comments (T) (L), AO 13: 2462
- Signal processing for a signal with Poisson noise: reply to comments (T) (L), AO 13: 2463
- Silicon avalanche photodiode receiver for optical-fiber transmission systems (A), JOSA 66: 391
- Single-crystal electrooptic thin-film waveguide modulators for infrared laser systems (E), AO 13: 2529
- Single material optical fiber structures including thin film supporting members (P), AO 15: 325
- Single-threshold detection of a random signal in noise with multiple independent observations. 1: Discrete case with application to optical communications (T), AO 17: 3576
- Space Nd:YAG laser-lamp studies (A), JOSA 64: 521
- Stabilization of the output from an electro-optical modulator in a lens waveguide communication system (A), JOSA 67: 1445
- Star coupler: a unique interconnection component for multimode optical waveguide communications systems (E), AO 13: 2540
- Star repeaters for fiber optic links (E), AO 16: 501
- Statistical properties of counting distributions for intensity-modulated sources (TE), JOSA 69: 539
- Status of fiber transmission technique in Germany (A), JOSA 67: 708
- Telecommunications Optiques: Introduction a l'Optique Integree, Par Clair, J.-J. (B), Reviewed by Ostrovsky, D. B., AO 17: 3853
- Temporal-frequency spectra for waves propagating over straight and folded paths: a comparison (T), AO 14: 1161
- Theory of nonlinear pulse propagation in inhomogeneous waveguides (T), OL 4: 164
- Thermal detuning effects in a standing wave acoustooptic modulator (ET), AO 17: 1824
- Thin-film laser-to-fiber coupler (E), AO 13: 391
- Three-frequency nonlinear heterodyne detection. 1: cw radar and analog communications (T), AO 14: 666
- Three-frequency nonlinear heterodyne detection. 2: Digital communications and pulsed radar, AO 14: 680
- Threshold detection in an on-off binary communications channel with atmospheric scintillation (T), AO 14: 1413
- Time-domain-holography modulation and optical fiber communication (A), JOSA 68: 1184
- Transmission and recovery of three-dimensional image information in optical waveguides (T), JOSA 66: 301
- Transmission characteristics of graded-index optical fibers with a lossy outer layer (TE), AO 17: 1199
- Transmission of Information in the Optical Waveband. By L. G. Kazovsky (B), Reviewed by Saleh, Bahaa E. A., AO 18: 751
- Transmission of Information in the Optical Waveband. By L. G. Kazovsky (B), Reviewed by Helstrom, Carl W., JOSA 69: 205
- Vector wave analysis of broadband multimode optical fibers with optimum refractive index distribution (T), JOSA 68: 577
- Waveform considerations in space-variant optical processors (ET), OL 4: 18
- Waveguide  $\text{CO}_2$  lasers for a space communications transceiver (A), JOSA 66: 883
- Wavelength multiplexing in multimode optical fibers (T), AO 16: 2180
- Wavelength multiplexing with white light (A), JOSA 69: 1435
- White-light interferometry and phase-locked pulse analysis (T), OL 1: 56
- Wide-band frequency-modulation system using optical techniques (ET), AO 18: 1249
- Wideband 1064 nm detector evaluation (A), JOSA 66: 385
- Wide-band optical communications systems for space application (A), JOSA 64: 519
- ### Optical constants
- See also Optical properties
- Absorption coefficient of pure water at 488 and 541.5 nm by adiabatic laser calorimetry (E), JOSA 67: 622
- Algorithm for determining the optical constants of thin films (TE), AO 17: 1579
- Analysis of optical data by the conjugate Fourier-series approach (T), JOSA 68: 994
- Characterization of optical thin films (A), JOSA 68: 1417
- Classical dispersion theory applied to the infrared reflectance of calcite, dolomite, and limestone (A), JOSA 68: 1403
- Classical oscillator analysis on thin crystals of  $\text{Bi}_2\text{Te}_3\text{S}_5$  (T), JOSA 66: 996
- Complex refractive index in the infrared for NaCl,  $\text{NaNO}_3$ , and  $\text{NaHCO}_3$  in water (E), JOSA 66: 830
- Complex refractive index of limestone in the visible and infrared (E), AO 17: 353
- Ellipsometric investigation of quadratic electrooptic and electrostrictive effects with anodic niobium pentoxide films (ET), AO 14: 1316
- Ellipsometric method for separate measurements of  $n$  and  $d$  of a transparent film (TE), AO 14: 2010
- Evaluation of the Shamir-Graeff method for measuring optical constants of thin films (ET) (L), AO 18: 3367
- Evaporated films of arsenic trisulfide: dependence of optical properties on light exposure and heat cycling (E), JOSA 68: 32
- Far infrared optical constants of liquid water measured with an optically pumped laser (E) (L), JOSA 69: 1723
- Far infrared optical properties of selenium and cadmium telluride (E), AO 13: 1164
- Infrared absorption by small amorphous quartz spheres (E), AO 13: 1586
- Infrared band intensities in ammonium hydroxide and ammonium salts (E), JOSA 68: 429
- Infrared optical constants of sulfuric acid at 250 K (ET), JOSA 66: 122
- Infrared properties of thin films (A), JOSA 67: 252
- Infrared thermooptic coefficient measurement of polycrystalline ZnSe, ZnS, CdTe,  $\text{CaF}_2$ , and  $\text{BaF}_2$ , single crystal KCl, and Ti-20 glass (E), AO 16: 436
- Interferometric study of a solid-solid phase transition (E), AO 16: 3206
- Kramers-Kronig analysis of modulated reflectance data investigation of errors (T), AO 14: 2412
- Kramers-Kronig analysis of ratio reflectance spectra measured at an oblique angle (T), AO 13: 595
- Kramers-Kronig analysis: revised optical constants, JOSA 64: 830
- Kubelka-Munk optical coefficients for a barium sulfate white reflectance standard (E) (L), AO 14: 807
- Measurement of the absorption coefficient of atmospheric dust (ET), AO 13: 1923
- Measurement of very low absorption coefficients by laser calorimetry (E), AO 14: 1128
- Measurements of the optical constants of liquid  $\text{H}_2\text{O}$  and  $\text{D}_2\text{O}$  between 6 and  $450 \text{ cm}^{-1}$  (E), JOSA 67: 902
- Method for determining the complex index of refraction for nontransparent materials (A), JOSA 69: 1472
- New method for the determination of optical constants of thin films (A), JOSA 65: 1195
- New method to measure stress-induced birefringence in an opaque material: stress-induced Raman scattering (E), JOSA 68: 523
- Optical absorptions of light and heavy water by laser optoacoustic spectroscopy (ET,R), AO 18: 3348
- Optical and physical parameters of Plexiglas 55 and Lexan (E), AO 18: 101
- Optical characterization of thin films (E), JOSA 67: 1051
- Optical constants and reflectance of Al-type metallic selenium (E) (L), JOSA 66: 1416
- Optical constants for a meteoric dust aerosol model (A), JOSA 67: 257
- Optical constants for iridium films from 40 to  $0.03 \mu\text{m}$  (A), JOSA 64: 1383
- Optical constants from the far infrared to the x-ray region: Mg, Al, Cu, Ag, Au, Bi, C, and  $\text{Al}_2\text{O}_3$  (E) (L), JOSA 65: 742
- Optical constants in the infrared for  $\text{K}_2\text{SO}_4$ ,  $\text{NH}_4\text{H}_2\text{PO}_4$ , and  $\text{H}_2\text{SO}_4$  in water (E), JOSA 64: 39
- Optical constants of (1120) ruthenium in the visible region (E) (L), JOSA 66: 1050
- Optical constants of absorbing materials by transmission interferometry on medium-thickness films (TE), JOSA 69: 725
- Optical constants of aggregated gold films (ET), JOSA 66: 124
- Optical constants of ammonium sulfate in the infrared (E), JOSA 67: 186
- Optical constants of bismuth tellurium sulfide from ellipsometric data (E), JOSA 64: 1591
- Optical constants of bulk and thin-film aluminum at 6328 (E), JOSA 65: 792
- Optical constants of copper and nickel (E), JOSA 67: 48
- Optical constants of crystalline and fused quartz in the far ultraviolet (E), AO 16: 2212
- Optical constants of cupric sulfate in the infrared (E), JOSA 67: 499
- Optical constants of  $\text{D}_2\text{O}$  in the infrared (E), JOSA 68: 815
- Optical constants of far infrared materials. 3: Plastics, AO 14: 1335
- Optical constants of gold by transmission interferometry (E), JOSA 67: 630
- Optical constants of liquid methane in the infrared (E), JOSA 68: 186
- Optical constants of lithium deposits as determined from the Kramers-Kronig analysis (E), JOSA 67: 54
- Optical constants of metal oxides in the far infrared region (E) (L), AO 15: 859
- Optical constants of minerals and rocks (ET), AO 14: 2914
- Optical constants of reactively evaporated chromium oxide films (A), JOSA 66: 1069
- Optical constants of solid ammonia in the infrared (E), JOSA 65: 432
- Optical constants of sulfuric acid; application to the clouds of Venus? (E), AO 14: 208
- Optical constants of the accumulation layer in silicon MOS structures (A), JOSA 67: 255
- Optical constants of the constituents of manganese-bismuth films (E), JOSA 64: 1456
- Optical constants of titanium (E) (L), JOSA 64: 514
- Optical constants of water in the infrared: Influence of temperature (ET), JOSA 67: 494
- Optical properties of bulk niobium from 6.6 to 23 eV (E), JOSA 68: 1017
- Optical properties of crystalline  $\text{MgF}_2$  from 115 nm to 400 nm (E) (L), AO 18: 1477
- Optical properties of evaporated films of ZnS in the vacuum ultraviolet from 160 to 2000 Å (E), JOSA 68: 1319
- Optical properties of Gd, Dy, and Tb (E), JOSA 64: 1332
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- Origin of the large refractive index change in photolyzed  $\text{PbI}_2$  films (E) (L), JOSA 67: 1123



- Photodissociation of  $\text{PbI}_2$  films at 150–175° C: optical constants vs wavelength and exposure (A), JOSA 64: 1384
- Precision interferometer for measuring photoelastic constants (E) (L), AO 16: 20
- Pressure and stress dependence of the refractive index of transparent crystals (T), AO 13: 2382
- Recursive solution of the dispersion relation of a surface polariton in a layered structure (T) (L), JOSA 67: 698
- Reflectance and complex refractive index of calcite and dolomite: ordinary ray (A), JOSA 65: 1170
- Reflectance and complex refractive index of polycrystalline limestone (A), JOSA 65: 1170
- Reflectance and optical constants of limestone in 0.2–32.8- $\mu\text{m}$  wavelength region (A), JOSA 64: 530
- Reflectance and optical constants for ULE from 250 to 3000 (A), JOSA 65: 1169
- Reflectance and optical constants of evaporated ruthenium in the vacuum ultraviolet from 300 to 2000 Å (E), JOSA 64: 423
- Reflectance and optical constants for Cer-Vit from 250 to 1050 Å (E), JOSA 64: 834
- Refractive index determination using reflectance extrema (T), AO 17: 1771
- Refractive index of GaSe between 0.45  $\mu\text{m}$  and 330  $\mu\text{m}$  (E), AO 16: 1236
- Refractive index of LiF films as a function of time (E), AO 18: 1233
- Refractive index of liquid solutions at low temperatures: an accurate measurement (E) (L), AO 15: 858
- Refractive indices of powdered materials: improvement of the method (E) (L), AO 15: 2301
- Refractive indices of zinc sulfide and cryolite in multilayer stacks (E), AO 15: 1969
- Refractive properties of magnesium fluoride (A), JOSA 69: 1460
- Requirements for reflection standards and the measurement of their reflection values (ET), AO 14: 493
- Sensitive technique for measuring differences in reflectivity (E), AO 13: 1956
- Sensitivity of the ellipsometric parameters to angle-of-incidence variations (T), AO 13: 1591
- Silicon films as selective absorbers for solar energy conversion (E), AO 16: 2806
- Spectral reflectance of particulate materials: a Monte Carlo model including asperity scattering (TE), AO 17: 245
- Stress-optic coefficients of ZnSe (E), AO 14: 2432
- Temperature and pressure variation of the refractive index of diamond (E), AO 16: 2949
- Temperature change of the refractive index of CVD ZnSe at 10.6  $\mu\text{m}$  (E) (L), AO 13: 1999
- Temperature dependence of the dielectric response of  $\text{KTaO}_3$  by dispersive Fourier transform spectroscopy (T), JOSA 68: 1322
- Temperature-dependent Sellmeier coefficients and coherence length for cadmium telluride (T), JOSA 67: 628
- Temperature-dependent Sellmeier coefficients and coherence lengths for some chalcopyrite crystals (T), JOSA 69: 730
- Teoria si practica ellipsometriei. By D. Moisil and G. Moisil (B), Reviewed by Vlad, Valentin I., AO 13: 212
- Thickness of absorbing films necessary to measure their optical constants using the reflectance vs angle of incidence method (E), JOSA 64: 429
- Three-terminal capacitance cells for dielectric measurements from 60 to 500 K (A), JOSA 69: 1471
- Three-terminal capacitance method for measuring the dielectric constants of optical materials from room temperature to 77 K (A), JOSA 67: 1443
- Transmission grating efficiencies in the 50–250-Å range (E) (L), AO 18: 2906
- Ultraviolet optical constants of water and ammonia ices (ET), JOSA 65: 919
- Ultraviolet optical properties of Li (E), JOSA 64: 839
- Vacuum-ultraviolet optical properties of single-crystal InBi (E), JOSA 66: 999
- Weakly absorbing layers: interferometric determination of their optical parameters (ET), AO 17: 3738

## Optical data processing

See Data processing, Optical processing

## Optical design

- Aberration-balancing criteria for optimization of the optical transfer function (A), JOSA 66: 1122
- Aberration balancing in rotationally symmetric lenses (T), JOSA 64: 1083
- Aberration correction for a tilted plate in a converging light cone (A), JOSA 66: 1121
- Aberration tolerances for visual optical systems, JOSA 67: 634
- Accelerating convergence in automatic lens design (T), AO 18: 4191
- Acceleration technique applied to conjugate-direction algorithms for nonlinear problems (L), JOSA 65: 851
- Accurate three-dimensional eyetracker (ET), AO 17: 691
- Achromatic triplet using holographic optical elements (T), AO 16: 1390
- Afocal parabolic reflectors (T) (L), AO 13: 741
- Analytical illuminance and caustic surface calculations in geometrical optics (T), AO 15: 2588
- Anastigmatic catadioptric telescopes (T), JOSA 65: 261
- Anastigmatic two-mirror telescopes: some new types (T), AO 16: 1178
- Antares target system optical design (A), JOSA 68: 1374
- Aplanatic optical system containing two aspheric surfaces (T), AO 18: 2187
- Aplanatic two-mirror telescopes: a systematic study. 1: Cassegrainian configuration (T), AO 13: 2064
- Aplanatic two-mirror telescopes: a systematic study. 2: The Gregorian configuration (T), AO 13: 2402
- Aplanatic two-mirror telescopes: a systematic study. 3: The Schwarzschild-Couder configuration (T), AO 14: 992
- Apodization for maximum Strehl criterion and specified Sparrow limit of resolution for incoherent illumination (T), JOSA 65: 1292
- Asymmetrical Fourier-transform lens design (A), JOSA 64: 1358
- Atmospheric lens of the Grace Flandrau Planatorium (A), JOSA 66: 1113
- Autocorrelation method of OTF's of centrally obscured optical systems (A), JOSA 67: 1428
- Automatic design of holographic gratings for Seya-Namioka monochromators (T), JOSA 68: 1254
- Axially symmetric geodesic lenses (T), AO 17: 2346
- Beam expander telescope design utilizing fast spherical primaries (A), JOSA 68: 1374
- Beam expander telescope design utilizing fast spherical primaries (T), AO 18: 1240
- Calculation of OTF sensitivities (A), JOSA 67: 1429
- Canonical properties of optical-design modules (T), JOSA 65: 509
- Cassegrain telescopes: limits of secondary movement in secondary focusing (T), AO 15: 1266
- Catadioptric system with a gradient-index corrector plate (T), JOSA 67: 1143
- Caustic analysis for a gradient index lens (A), JOSA 69: 1429
- Caustic surface merit functions in optical design (A), JOSA 66: 1122
- Climb: a new Los Alamos Scientific Laboratory lens design code (ET), AO 15: 2583
- Collection properties of generalized light concentrators (T), JOSA 67: 1594
- Coma compensation in a parabolized Ebert monochromator (T), AO 18: 2280
- Comparison of curvatures and lens bendings as variables for computer-aided lens optimization (A), JOSA 69: 1408
- Compound catadioptric telescopes with all spherical surfaces (T), AO 17: 1519
- Compound Schmidt telescope designs with nonzero Petzval curvatures (T), AO 14: 2302
- Computation of rms spot radii by ray tracing (T), AO 13: 2585
- Computer for lenses and mirrors (N), AO 13: 2688
- Computer program based on proximate ray tracing (A), JOSA 66: 1121
- Computer program for far-field performance evaluation of a laser-beam expander (A), JOSA 64: 564
- Computer synthesized filament images from reflectors and through lens elements for lamp design and evaluation (TE), AO 14: 2384

- Confocal paraboloids: some comments (T) (L), AO 13: 2192
- Control of fifth-order aberrations in modular optical design (T), JOSA 69: 321
- Copying lens for microfilm photography (TE), AO 13: 2067
- Designing and constructing thick holographic optical elements (TE), AO 17: 1220
- Designing systems containing diffractive elements (A), JOSA 66: 1061
- Designing the multiple-channel Ebert-type spectrometer with a flat image plane (A), JOSA 69: 1439
- Design of a new five-element Cooke triplet derivative (T), AO 18: 3933
- Design of an  $f/1.5$  focal corrector (A), JOSA 69: 1429
- Design of a Wright-Cassegrain telescope (A), JOSA 68: 1373
- Design of gradient-index singlets (T), JOSA 64: 846
- Design of Optical Systems. By G. G. Slyusarev (B), Reviewed by Hawkes, P. W., AO 15: 2292
- Design of single element gradient-index collimator (T), JOSA 67: 1137
- Design program for aspheric null corrector for conic mirrors (A), JOSA 69: 1419
- Design study of a panoramic lens system for visual simulation (A), JOSA 66: 79
- Design techniques for forming 488-nm holographic lenses with reconstruction at 633 nm (TE), AO 18: 2418
- Differentiation of ray-tracing equations (A), JOSA 65: 1176
- Diffusion cell for use with a Rayleigh interferometer in membrane-transport studies (T), JOSA 65: 131
- Dynamic programming, Fermat's principle, and the eikonal equation for anisotropic media (T), JOSA 64: 317
- Effects of small rotationally symmetrical aberrations on the irradiance spread function of a system with Gaussian apodization over the pupil (T) (L), JOSA 65: 1520
- Evaluation of differential ray-trace technique (A), JOSA 69: 1429
- Family of compact Schmidt-Cassegrain telescope designs (T) (L), AO 13: 1765
- Fast MTF computations during the process of lens optimization (A), JOSA 67: 1428
- 50° Field-of-view  $f/0.6$  catadioptric system (A), JOSA 69: 1439
- Flat-field telescopes using two curved Fresnel mirrors (A), JOSA 69: 1439
- Foci of tandem Wadsworth spectrographs (T), JOSA 69: 165
- Focus screen optimization (TE), AO 14: 2762
- Four-mirror unobscured anastigmatic telescopes with all-spherical surfaces (T), AO 17: 1072
- General analysis of aplanatic Cassegrain, Gregorian, and Schwarzschild telescopes (errata), AO 13: 242
- Geometrical optics field of general optical systems (T), JOSA 69: 891
- Geometrical vector flux and some new nonimaging concentrators (T), JOSA 69: 532
- Geometry of the half-symmetric image (T), JOSA 68: 739
- Gradient Index Optics. By Erich W. Marchand (B), Reviewed by Marcuse, Dietrich, JOSA 69: 1624
- Handbook of Optics. Edited by Walter G. Driscoll and William Vaughan (B), Reviewed by Wright, W. D., AO 18: 416
- High aperture lens for laser compression experiments: a new type (TE), AO 17: 3368
- High-resolution optical telescope for Fourier transform spectroscopy in the infrared radiation field (A), JOSA 69: 1440
- High-resolution, wide-field holographic lens (P), AO 18: 3804
- Holographic correction of both chromatic and spherical aberrations of single glass lenses (ET), AO 18: 2385
- Holographic optical elements recorded with arbitrary wave fronts (A), JOSA 69: 1429
- Hyperbolic cone-channel condenser (TE), OL 2: 22
- Ideal concentrators for finite sources and restricted exit angles (T), AO 15: 2880
- Ideal flux concentrators as shapes that do not disturb the geometrical vector flux field: a new derivation of the compound parabolic concentrator (T), JOSA 69: 536
- Image degradation in misaligned optical systems (A), JOSA 69: 1428



- Impasses in applied optics (R), JOSA 64: 123
- Improved lens designs for microelectronic applications (A), JOSA 68: 1374
- Improvements in solid catadioptric objectives (A), JOSA 66: 1113
- Influence of condenser design and arc lamps on performance of projection lenses (A), JOSA 66: 1113
- Infrared lenses (P), AO 17: 1474
- Inverse scattering approach to optical system design (A), JOSA 69: 1440
- Keystone compensation for image storage systems (T), AO 15: 1626
- Laser-beam-expander lens that avoids specular-reflection feedback (A), JOSA 64: 565
- Laser beam steerer-expander (T), AO 17: 3584
- Least-squares method utilizing tolerances for use in lens design (A), JOSA 68: 1452
- Lens and mirror design via the principal surface (T), AO 15: 2579
- Lens design for laser systems (T), JOSA 64: 314
- Lens Design Fundamentals. By Rudolf Kingslake (B), Reviewed by Wetherell, William B., AO 17: 3508
- Lens Design Fundamentals. By Rudolf Kingslake (B), Reviewed by Smith, Warren J., JOSA 69: 204
- Lens design, international conference, Haverford College, 23-27 Jun 1975 (M), Reported by Sweet, Robert; Sherman, Bennett, AO 15: 302
- Lens design merit functions: rms image spot size and rms optical path difference (E), AO 17: 715
- Lens design using spherical gradients (A), JOSA 67: 1428
- Lens-mirror combinations with maximal concentration (TE), AO 16: 2677
- Lens structure for giant refractor telescopes (T) (L), AO 15: 1655
- Lens system for modifying spherical aberration (P), AO 17: 1474
- Lens systems: aplanatic anastigmatic two and three element (T), AO 15: 2276
- Light scattering analysis application (A), JOSA 69: 1456
- Marchal intensity criteria modified for circular apertures with nonuniform intensity transmission: Dini series approach (T), OL 2: 124
- Marchal intensity criteria modified for Gaussian beams (T), AO 13: 2126
- Marchal intensity criteria modified for Gaussian beams (T) (errata), AO 13: 2774
- Mathematical equivalence between a holographic optical element and an ultra-high index lens (T) (L), JOSA 69: 486
- Merit function as an aid in optical tolerancing (T) (L), AO 15: 2301
- Method for obtaining a flat field with Rosin-Amon tilted plate correctors (T) (L), AO 13: 242
- Micro lenses for coupling junction lasers to optical fibers (E), AO 13: 89
- Modular optical design applied to catadioptric systems (A), JOSA 68: 1451
- More on afocal parabolic reflectors (T) (L), AO 13: 2191
- Multimodule optical systems (T), JOSA 65: 1133
- New two-mirror anastigmatic telescope (A), JOSA 64: 1358
- New types of anastigmatic two-mirror telescopes (A), JOSA 66: 1114
- Nonimaging optical systems—raytracing and optimization (A), JOSA 69: 1440
- Off-center aberrations in nonaligned systems (T), JOSA 68: 1250
- Optical boresight analysis (A), JOSA 69: 1457
- Optical computing conference, Washington, 23-25 Apr 1975 (N), AO 13: 10A13
- Optical design and analysis program (T), AO 17: 3361
- Optical Design and Ray-Tracing by Pocket Calculator. By T. D. Settimi (B), Reviewed by Kingslake, Rudolf, JOSA 68: 1458
- Optical design for fiber optic diameter measurement instrument (A), JOSA 66: 1123
- Optical design of an infrared spectrophotometer (A), JOSA 69: 1427
- Optical Design of Reflectors. By William B. Elmer (B), Reviewed by Silverman, Shirleigh, AO 15: 1112
- Optical design of reflectors. part 1 (TE) (L), AO 17: 623
- Optical design of reflectors. part 2 (TE) (L), AO 17: 977
- Optical design of reflectors. part 3 (T) (L), AO 17: 1308
- Optical design reflectors: part 3: comments (T) (L), AO 17: 3705
- Optical design reflectors: part 3: reply to comments (T) (L), AO 17: 3706
- Optical Design of Reflectors. William B. Elmer (B), Reviewed by Kingslake, Rudolf, JOSA 68: 552
- Optical design program for unsymmetrical systems utilizing exact derivatives (A), JOSA 67: 1428
- Optical design technical group design trade-offs for a 2 m Fourier transform system (A), JOSA 66: 1139
- Optical design using desktop computers (A), JOSA 68: 1452
- Optical design with nonrotationally symmetrical aspheres (A), JOSA 68: 1452
- Optical engineering of an unobscured 2 m aperture laser radar simulator (A), JOSA 66: 1113
- Optical evaluation of Los Alamos Antares 100-kJ CO<sub>2</sub> laser-fusion system. II (A), JOSA 69: 1439
- Optical interpretation of the merit function in Grey's lens design program (T), AO 13: 671
- Orthogonal polynomials as lens aberration coefficients (A), JOSA 69: 1428
- Paraxial ray analysis of a cat's-eye retroreflector: comments (TE) (L), AO 15: 856
- Primary aberration contributions for curved Fresnel surfaces (T), JOSA 68: 1306
- Primary aberrations of Fresnel lenses (T), JOSA 64: 459
- Principal direction assignment in generalized ray tracing (A), JOSA 66: 1121
- Problem of ideal flux concentrators (T), JOSA 68: 531
- Programming the Hewlett-Packard 9815 calculator for optical design (A), JOSA 66: 1121
- Programming the Hewlett-Packard HP-65 pocket calculator for optical design (A), JOSA 64: 1358
- Proximate ray tracing and optical aberration coefficients (T), JOSA 66: 405
- Pseudo-second-derivative matrix and its application to automatic lens design (T), AO 17: 3372
- Quasi-microscope concept for planetary missions (E), AO 16: 2454
- Ray tracing and throughput calculations for spectrometers (A), JOSA 69: 1456
- Ray tracing in gradient-index media, JOSA 65: 451
- Ray tracing through holographic gratings (T), JOSA 64: 1037
- Ray trajectories in optical fiber tapered sections (T), AO 17: 3670
- Rearview periscope comprised of two concave cylindrical mirrors (E), AO 17: 1687
- Recent advances in astronomical optics: comments on (T) (L), AO 13: 22
- Reducing the danger of flare images in laser focusing objectives (T), AO 17: 3812
- Reflecting null correctors for conicoid mirrors (A), JOSA 64: 565
- Reflecting telescope with a spherical primary mirror (A), JOSA 69: 1439
- Reflective optics system for uniform spherical illumination (T), AO 14: 985
- Reflective Schmidt anastigmat telescopes and pseudo-flat made by elasticity (T), JOSA 66: 1334
- Reflective Schmidt corrector (T) (L), AO 13: 2005
- Refractive null correctors for aspheric surfaces (A), JOSA 66: 1113
- Refractive null correctors for aspheric surfaces (R), AO 15: 3080
- Schneider & Co., optical activities (TE) (N), AO 13: 707
- Shaping a refractor surface to produce a specified energy distribution over a receiver surface (A), JOSA 66: 1114
- Simpler derivation of the formulas for generalized ray tracing (T), JOSA 66: 1330
- Single optical lens with large aperture and large field (P), AO 17: 1473
- Skew-ray tracing of truncated-pyramid light pipes (A), JOSA 64: 564
- Solid-dielectric compound parabolic concentrators: on their use with photovoltaic devices (E), AO 15: 2434
- Specular aspheric surface to obtain a specified irradiance from discrete or continuous line source radiation: design (T), AO 14: 1279
- Spherically corrected reflecting objective for unit magnification (T), AO 13: 2580
- Statistical analysis of Bragg reflectors (T), JOSA 68: 18
- Stigmata using two curved Fresnel surfaces (T), AO 18: 4187
- Still more on afocal parabolic reflectors (T) (L), AO 13: 2192
- Strip-mirror corrector for steeply curved astigmatic-image correction (A), JOSA 64: 565
- Surface-contribution algorithms for analysis and optimization (T), JOSA 66: 8
- Surface-contribution algorithms for analysis and optimization: comment (L), JOSA 66: 628
- Surface contribution algorithms for analysis and optimization: reply (L), JOSA 66: 630
- Thin film optical coatings. 6: Design method for two given wavelength antireflection coatings (T), AO 17: 1458
- Three-color achromatism in the extended visible range (A), JOSA 67: 1428
- Three-dimensional visual stimulus deflector (ET), AO 17: 706
- Three-mirror telescopes: design and optimization (T), AO 17: 2677
- Two-dimensional concentrators for inhomogeneous media (T), JOSA 68: 289
- Two well-corrected four-mirror telescopes (T) (L), AO 13: 1767
- Unit magnification optical system (T), AO 16: 2568
- Unobscured laser-beam-expander pointing system with tilted spherical mirrors (T) (L), AO 13: 21
- Varifocal compensated lens for irradiation of flow cells (E) (L), AO 18: 5
- Viking infrared thermal mapper (errata), AO 17: 2132
- Viking infrared thermal mapper (E), AO 17: 1243
- WALRUS optical design forms (A), JOSA 68: 1373
- Wavefront error simulator for evaluating optical testing instrumentation (ET), AO 14: 2756
- Wave-front tracing in symmetrical optical systems (A), JOSA 68: 1451
- WAVORTHO automatic-lens-design program (A), JOSA 64: 564
- Well-baffled two-mirror corrector for a parabola (A), JOSA 66: 1113
- Well baffled two-mirror corrector for a parabola (T), AO 16: 1175
- Well-corrected two-element telescope with a flat image (A), JOSA 69: 1439
- Zoom lens design by pocket calculator (T) (L), AO 17: 1162
- Zoom null lens (T), AO 18: 3863

## Optical devices

- See also Optical systems
- Adjustable aperture stop to control the divergence and orientation of the beam emerging from a vacuum ultraviolet monochromator (E), AO 13: 2913
- Air breakdown in a radial-mode focusing element (TE), AO 13: 104
- Apparatus for determining defects in gems (P), AO 18: 3221
- Apparatus for producing efficient second harmonic generation and frequency mixing (P), AO 17: 680
- Arrangement for objectively evaluating characteristics of gems, particularly diamonds (P), AO 15: 1345
- Autocollimator including a retroreflector element (P), AO 13: 8A26
- Beam separating prism system (P), AO 18: 3872
- Binary digital electronic signal production (P), AO 18: 3554
- Binocular magnifier with rhombic prisms behind a single optical system (P), AO 15: 2297
- Biocular magnifying lenses of high aperture and covering a wide field (P), AO 15: 1671
- Blood cell analyzer (P), AO 15: 1358
- Brewster angle light trap (E) (L), AO 16: 2352
- Color recognition system (P), AO 18: 3488
- Compact optical circulator for optical fiber transmission (E), AO 18: 3700
- Compensating device for sighting instruments (P), AO 15: 1346
- Coupler for optical waveguide light source (P), AO 14: 1044
- Crosstalk reduction in optical switching (T) (L), AO 14: 2559
- Design of film-substrate single-reflection retarders (TE), JOSA 65: 1043



Detecting small rotations (P), AO 13: 8A26  
 Detection of liquid level in transparent tube (P), AO 13: 1976  
 Displacement measuring device using diffraction grating (P), AO 13: 8A26  
 Efficient generation of laser beams with an elliptic cross section: comments on (E) (L), AO 13: 1274  
 Electroluminescent display and circuit protective device (P), AO 18: 3713  
 Elimination of interference effect errors in dual-beam infrared measurements (P), AO 13: 8A26  
 Fabry-Perot optical switch driven by a fast PZT transducer (E) (L), AO 18: 2359  
 Faraday rotator using ED4 glass (E) (L), AO 13: 1555  
 Fiber plate as a focusing screen (P), AO 13: 11A26  
 Floating optical mount (E) (L), AO 14: 2334  
 Fluid mechanical light guide (TE), AO 14: 1556  
 Focused, multiple-pass cell for Raman scattering (E), AO 13: 186  
 Focused multiple-pass cell for Raman scattering: comment (ET) (L), AO 13: 1739  
 Focused multiple-pass cell for Raman scattering: reply to comment (E) (L), AO 13: 1739  
 Handbook of integrated optoelectronic devices and systems (N), AO 18: 697  
 High-path-difference optical compensator: its use in the observation of solid-solid phase transformations (E), AO 14: 1664  
 Ideal concentrators for finite sources and restricted exit angles (T), AO 15: 2880  
 Image producing device (P), AO 14: 1757  
 Intensity-measuring apparatus using polarization interferometry (P), AO 13: 8A26  
 Iris diaphragm (P), AO 13: 9A26  
 Laser focal shift monitor (E) (L), AO 15: 2022  
 Laser refraction (P), AO 13: 2735  
 Lens for target image displacement in a lens measuring instrument (P), AO 14: 1456  
 Light detector for detecting the position of edges of moving strip (P), AO 18: 3713  
 Light equalizer (P), AO 14: 3110  
 Light-transmitting elements, polarizing windows (P), AO 13: 10A26  
 Magnifier (P), AO 14: 1459  
 Mechanical one-to-many fiber-optic switch (ET), AO 18: 2068  
 Method of determining the properties of a jewelry stone (P), AO 15: 2944  
 Mirror testing apparatus (P), AO 13: 1251  
 Mirror-type optical branch and switch (E), AO 17: 101  
 Mirror-type optical switch array (E), AO 17: 3975  
 Night viewing pocket scope (P), AO 15: 8  
 Nonlinear electro-optic Fabry-Perot devices using reflected-light feedback (ET), OL 2: 55  
 Optical addressing system (P), AO 13: 9A26  
 Optical and electrical pulse sampler (N), AO 15: 2098  
 Optical crosspoint switch having mode-conversion facilities (P), AO 18: 3947  
 Optical equalizer for signal-transmission system using multimode light guides (P), AO 18: 3220  
 Optical fiber switch driven by PZT bimorph (E) (L), AO 17: 3531  
 Optical logic elements (P), AO 18: 3220  
 Optical pressure transducer (P), AO 18: 3713  
 Optical scanner (P), AO 17: 1471  
 Optical scanning system with a crossed scanning pattern (P), AO 13: 2439  
 Optical switch for multimode optical-fiber systems (E), OL 4: 27  
 Optical system for forming an image of an object in a given plane (P), AO 15: 832  
 Optical teaching aid for spectral composition of light (P), AO 17: 1474  
 Optimizing the beam shape in a focused coherent optical system method (TE), AO 13: 1633  
 Paper properties measurement (P), AO 18: 4005  
 Parabolic axicon (T) (L), AO 13: 1291  
 Paraxial ray analysis of a cat's-eye retroreflector (T), AO 14: 1825  
 Paraxial ray analysis of a cat's-eye retroreflector: comments (TE) (L), AO 15: 856  
 Paraxial ray analysis of a cat's-eye retroreflector: reply to comments (T) (L), AO 15: 1691  
 Photoelectric chopper for distance measurement (P), AO 13: 8A26  
 Photosensitive oscillator (P), AO 14: A26

Polarization conserving light bending prisms and optimized Fresnel rhombs (T), AO 13: 1110  
 Range finder (P), AO 15: 1359  
 Rear-view mirror system (P), AO 14: 1458  
 Rear-view mirror with reflective inclined prism surfaces (P), AO 14: A104  
 Rearview periscope comprised of two concave cylindrical mirrors (E), AO 17: 1687  
 Rearview periscope for vehicles (P), AO 13: 6A26  
 Reflexicon, a new reflective optical element, and some applications: comment (T) (L), AO 13: 1764  
 Reflexicon, a new reflective optical element, and some applications: reply to comment (T) (L), AO 13: 1764  
 Self-imaging with an optical tunnel for image formation (P), AO 14: 1044  
 Sextant with digital readout and night viewing capability (P), AO 14: 1457  
 Smoothly granulated optical surface (P), AO 13: 2438  
 Solid-dielectric compound parabolic concentrators: on their use with photovoltaic devices (E), AO 15: 2434  
 Spherical lens structures (P), AO 14: 1456  
 Theory of optical wedges as flux modulators (T), JOSA 66: 1350  
 Theory of optical wedges as flux modulators (T) (errata), JOSA 67: 1695  
 Three-dimensional projection system (P), AO 15: 1359  
 Three-mirror image rotator in a laser-produced plasma experiment (E) (L), AO 18: 3883  
 Translucent screens containing plastic particles in a plastic matrix (P), AO 18: 4016  
 Utilization of Brewster angle for determining angular velocity and light beam incidence angles (P), AO 15: 8  
 Visual performance with binocular magnifiers (A), JOSA 64: 1358

## Optical engineering

Applied optics curriculum at Georgia Tech (A), JOSA 67: 1377  
 Applied optics curriculum at Georgia Tech (L), AO 17: 501  
 Circular scanner for milling machine with zoom lens and variable lead and kerf (P), AO 18: 2542  
 Coherent Optical Engineering. Edited by F. T. Arecchi and V. Degiorgio (B), Reviewed by Shannon, Robert R., AO 17: 2472  
 Conference on laser engineering and applications (CLEA), fifth, Washington, D.C., 28-30 May 1975 (N), JOSA 65: 105  
 Dividing, Ruling and Mask-Making. By D. F. Horne (B), Reviewed by Loewen, Erwin G., JOSA 65: 469  
 Engineering considerations in the production of optical coatings (A), JOSA 66: 163  
 Introduction to Applied Optics for Engineers. By F. Paul Carlson (B), Reviewed by McCubbin, T. K., AO 16: 3064  
 Introduction to Applied Optics for Engineers. By F. Paul Carlson (B), Reviewed by Young, Matt, JOSA 67: 1289  
 Introduction to Matrix Methods in Optics. By A. Gerrard and J. M. Burch (B), Reviewed by Macadam, David Pearce, AO 16: 1457  
 Introduction to Matrix Methods in Optics. By A. Gerrard and J. M. Burch (B), Reviewed by Macadam, David Pearce, AO 16: 1457  
 Laser drilling with 80-ps pulse lengths (A), JOSA 69: 1468  
 Lens Mechanism Technology. By D. F. Horne (B), Reviewed by Simpson, John A., AO 15: 1369  
 Lens Mechanism Technology. By D. F. Horne (B), Reviewed by Hopkins, Robert E., JOSA 67: 262  
 Lens surfacing tool and tool holder (P), AO 18: 3341  
 Principles and Applications of Ferroelectrics and Related Materials. By M. E. Lines and A. M. Glass (B), Reviewed by Bergman, J. G., AO 17: 3189  
 Properties of laser/electron beam crystallized silicon ribbons (A), JOSA 69: 1468  
 Quality control of small mechanical pieces using optical correlation techniques (A), JOSA 66: 169  
 Simple determination of workpiece-focal-point window tolerances in laser-material processing (A), JOSA 69: 1469  
 Threaded article parameter measurement by spatial spectra analysis (TE), AO 18: 197

## Optical fabrication

See also Optical shop

Accurate polygons in germanium and silicon (N), AO 18: 3535  
 Adherent dielectric coating of diamond-turned mirrors (E), OL 2: 19  
 Apparatus for compensating for thermally introduced distortions in reflecting surfaces (P), AO 18: 3958  
 Application of nonlinear-plate theory to surface-curvature prediction in a disk sagging experiment (A), JOSA 65: 1215  
 Aspheric lens generator (P), AO 15: 1359  
 Aspheric profile gauging using a bootstrap data interpretation technique (E), AO 18: 1064  
 Blocking plastic lenses for surfacing (P), AO 18: 3966  
 Change of scatter after cleaning of silver mirrors (A), JOSA 65: 1215  
 Color diffractive subtractive filter master recording plurality of superposed two-level substrate (P), AO 18: 3958  
 Computer modeling of an optical polishing tool (A), JOSA 68: 1445  
 Computer simulation of the optical polishing process (A), JOSA 67: 1378  
 Correcting glass-angles of a prism (E) (L), AO 16: 2019  
 Correcting glass-angles of prism (errata), AO 16: 2787  
 Degradation of optically finished surfaces caused by stripping of old coatings and re-coating (A), JOSA 65: 1215  
 Deterioration in optical materials as a result of ultrasonic cleaning (E) (L), AO 16: 544  
 Deterioration in optical materials as a result of ultrasonic cleaning: comment (E) (L), AO 16: 3083  
 Deviation prisms: controlling the 90° roof-angle ridge (E) (L), AO 15: 1661  
 Diamond turning and polishing of infrared optical components (E) (L), AO 15: 27  
 Dividing, Ruling, and Mask Making. By D. F. Horne (B), Reviewed by Simpson, John A., AO 14: 2308  
 Drawing optical fiber bundles from a double crucible: a new technique (E) (L), AO 17: 170  
 Drawn pitch threads as masks for microfabrication (E) (L), AO 13: 1757  
 Electroplating application to the fabrication of optics (E), AO 14: 1783  
 Fabrication conditions for reducing aberration of plastic focusing lens (A), JOSA 69: 1404  
 Fabrication of a large off-axis parabola (A), JOSA 68: 1444  
 Fabrication of small nonsymmetric aspheric surfaces (A), JOSA 68: 1444  
 Fabrication of small nonsymmetrical aspheric surfaces (E), AO 18: 1244  
 Fabrication using the computer-controlled polisher (A), JOSA 67: 1378  
 Fabrication using the computer controlled polisher (E), AO 17: 1889  
 Focused laser lithographic system (E), AO 17: 1069  
 Generating large-diameter radius surfaces with small cutters (L), AO 18: 2526  
 Graded index fiber waveguides with borosilicate composition: fabrication techniques (E), AO 15: 1803  
 Grinding patterns for aspheric lenses calculated by pocket computer (N), AO 18: 3601  
 High-speed fabrication of aspheric surfaces (A), JOSA 67: 1378  
 Ion machining of optical components (A), JOSA 68: 1445  
 Laser induced damage in optical materials: 7th ASTM symposium (R), AO 15: 1510  
 Laser induced damage in optical materials: 8th ASTM symposium (R), AO 16: 1214  
 Lens Mechanism Technology. By D. F. Horne (B), Reviewed by Simpson, John A., AO 15: 1369  
 Lens Mechanism Technology. By D. F. Horne (B), Reviewed by Hopkins, Robert E., JOSA 67: 262  
 Low-pressure ion plating (A), JOSA 68: 1418  
 Machining of optics: an introduction (E), AO 14: 1773  
 Manufacture of diamond tooling and application data (A), JOSA 66: 1134  
 Metallurgical engineering considerations from the 100-kJ CO<sub>2</sub> laser (A), JOSA 67: 1378  
 Method of producing O-type optical waveguide (P), AO 18: 3554  
 Notes on optical coating removal (L), AO 17: 1846  
 Off-axis mirrors made using a conventional milling machine (E) (L), AO 18: 956



- Off-axis parabolas for high-power laser focusing (A), JOSA 66: 1134
- Optical characteristics of a clear epoxy (E) (L), AO 17: 3518
- Optical fabrication and testing technical group discussion of large optics and manufacturing processes (A), JOSA 66: 1138
- Optical fabrication and testing workshop, San Francisco region, 14-15 Mar 1975 (M), Reported by Wallerstein, Edward Perry, AO 14: 2049
- Optical fabrication and testing workshop, Orlando, 17-18 February 1978 (M), Reported by Mohon, Neil, AO 17: 1658
- Optical fabrication using the computer-controlled polisher (A), JOSA 65: 1215
- Optical polisher for toroidal mirrors (E) (L), AO 18: 3217
- Optical polishing and cleaning of press-forged (polycrystalline)  $\text{CaF}_2$  and  $\text{SrF}_2$  IR laser windows (E) (L), AO 18: 957
- Optical polishing folder (N), AO 17: 115
- Optimization of computer controlled polishing (A), JOSA 66: 1134
- Optimization of computer controlled polishing (TE), AO 16: 218
- Parabolic mirror made by the rotation method: its fabrication and defects (E), AO 18: 1835
- Physical model for predicting grinding rates (T), AO 13: 2719
- Plastic optics—now and tomorrow (A), JOSA 68: 1444
- Polishing of supersmooth metal mirrors (E), AO 14: 1808
- Preparation of high-aspect ratio periodic corrugations by plasma and ion etching (E) (L), AO 15: 1905
- Preparation of photochromic gradient lenses (P), AO 18: 3958
- Preparation of photochromic gradient lenses (P), AO 18: 3958
- Replication of Wolter-lens components (A), JOSA 67: 1378
- Resin polishers, holders, and tools (E) (L), AO 18: 3875
- Safer way to etch glass (N), AO 17: 1845
- Semiflexible polishing tool (A), JOSA 68: 1445
- Single-point diamond-turned copper mirrors: figure evaluation (E) (L), AO 15: 1656
- Single-spindle aspheric figuring with flexible pads (T), OL 1: 33
- Spectacle Lens Technology. By D. F. Horne (B), Reviewed by Rupp, Wiktor J., AO 18: 4144
- Spectacle Lens Technology. By D. F. Horne (B), Reviewed by Smith, F. Dow, JOSA 69: 800
- Surface microstructure of ground glass (A), JOSA 65: 1215
- Testing and fabrication of biaspherics (A), JOSA 69: 1419
- Testing glass reflecting angles of prisms (E) (L), AO 17: 1661
- To make an aluminum polygon (E) (L), AO 17: 6
- Tool feed influence on the machinability of  $\text{CO}_2$  laser optics (E), AO 14: 1777
- Uniform polishing of convex aspheres with an elastic lap (TE), AO 14: 2274
- Wedge prisms to compensate for angular errors in other optical components (N), AO 17: 2847
- Optical materials**
- See also Materials, Refractive index
- Absorption coefficients in highly transparent solids: barothermal theory for cylindrical configurations (T), AO 14: 3031
- Absorption coefficients of highly transparent solids: photoacoustic theory for cylindrical configurations (T), AO 15: 1313
- Application of fracture-mechanics techniques to optical glass (A), JOSA 65: 1192
- Applied Solid State Science, Advances in Materials and Device Research, Volume 6. Edited by Raymond Wolfe (B), Reviewed by Scott, G. David, JOSA 68: 425
- Assessment of Ge-As-Se 8-12  $\mu\text{m}$  infrared optical glasses for applications in thermal imaging systems (A), JOSA 67: 255
- Automation of a laser absorption calorimeter (E), AO 17: 1938
- Bulk and surface calorimetric measurements at CO wavelengths (E), AO 16: 2914
- Characterization of optical thin films (R), AO 18: 1969
- Composite material films: optical properties and applications (R), AO 15: 2328
- Damage-resistant optical components for 2-5  $\mu\text{m}$  laser systems (A), JOSA 66: 383
- Data on the thermal expansion of optical materials from room temperature to 250°C (A), JOSA 66: 1119
- Density fluctuations generated in simple liquids by intense laser radiation (A), JOSA 69: 1471
- Deterioration in optical materials as a result of ultrasonic cleaning (E) (L), AO 16: 544
- Deterioration in optical materials as a result of ultrasonic cleaning: comment (E) (L), AO 16: 3083
- Determination of the zero-material-dispersion wavelength in germanium- and phosphorus-doped silica fibers (A), JOSA 68: 633
- Dichromated gelatin for the fabrication of holographic optical elements (E), AO 18: 2407
- Dimensional stability of low-expansion mirror materials by interferometry (A), JOSA 64: 1383
- Dispersion measurements in gradient index glass using a schlieren method (A), JOSA 67: 1442
- Extreme ultraviolet reflectance of optically polished electroless nickel (A), JOSA 66: 1119
- Extrinsic absorption spectra in zinc selenide (A), JOSA 69: 1472
- Fabrication and testing of gradient-index components (A), JOSA 64: 1376
- Far infrared transmission and reflection of Irtan 1 through Irtan 6 at low temperatures (E), AO 13: 2716
- Fundamental absorption edge in laser window  $\text{CdTe}$  (E), AO 14: 2662
- Glass compositions for thin-film waveguides (A), JOSA 66: 1118
- Growth of nonlinear and polarizing materials, proustite and pyargyrite (P), AO 14: 3110
- Handbook of Optics. Edited by Walter G. Driscoll and William Vaughan (B), Reviewed by Wright, W. D., AO 18: 416
- Highly dispersive artificial dielectrics (T) (L), AO 18: 3077
- High-transparency infrared materials (A), JOSA 65: 1169
- Holographic measurements of refractive-index changes (TE), OL 3: 33
- Hybrid metal mesh-dielectric mirrors for optically pumped far infrared lasers (E), AO 15: 761
- Infrared absorption in chemical laser window materials (E), AO 15: 1953
- Infrared optical glasses for applications in 8-12- $\mu\text{m}$  thermal imaging systems (E), AO 16: 2938
- Infrared refractometer measurements of adhesives (E), AO 17: 3138
- Infrared thermooptic coefficient measurement of polycrystalline  $\text{ZnSe}$ ,  $\text{ZnS}$ ,  $\text{CdTe}$ ,  $\text{CaF}_2$ , and  $\text{BaF}_2$ , single crystal  $\text{KCl}$ , and  $\text{Ti-20 glass}$  (E), AO 16: 436
- Infrared transparent materials and components (A), JOSA 66: 383
- Interference measurement of continuous heterogeneities in optical materials (E), AO 17: 2956
- Interpretation of induced color in polychromatic glasses, JOSA 69: 1514
- Interpretation of induced colors in polychromatic glasses (A), JOSA 68: 1395
- $\text{KCl:K}$  prepared for highly efficient holographic storage (E) (L), JOSA 67: 1691
- KDP and ADP transmission in the vacuum ultraviolet (E) (L), AO 16: 1798
- Laser heterodyne correlation processing of optical thickness irregularities in transparencies (E), AO 17: 3402
- Laser-induced damage at 1064 nm, 125 psec (E), AO 16: 1204
- Laser induced damage in optical materials, symposium, Boulder, 22-23 May 1974 (N), AO 13: 517
- Laser induced damage in optical materials: 6th ASTM symposium (ET), AO 14: 698
- Laser induced damage in optical materials: 7th ASTM symposium (R), AO 15: 1510
- Laser induced damage in optical materials: 8th ASTM symposium (R), AO 16: 1214
- Laser induced damage in optical materials: ninth ASTM symposium (R), AO 17: 2386
- Laser induced damage in optical materials: tenth ASTM symposium (ER), AO 18: 2112
- Laser-induced damage in optical materials, symposium, Boulder, 22-23 May 1974 (N), JOSA 64: 419
- Laser induced damage to optical materials, 1973: a conference report (R), AO 13: 74
- Laser Window and Mirror Materials. By G. C. Battle, Tom Connolly, and Anne M. Keesee (B), Reviewed by Bennett, H. E., AO 17: 2126
- Liquid surface coating for optical components used in high power laser applications (E), AO 16: 2491
- Low loss fused silica made by the plasma torch (E) (L), AO 13: 744
- Low-temperature thermal-expansion measurements on new optical materials (A), JOSA 65: 1170
- Materials for optical thin films (E), AO 15: 2315
- Measurement of the optical properties of gradient index materials (E), JOSA 68: 1157
- Measurement of the stress-optic effect on the infrared on laser materials (A), JOSA 64: 535
- Measurements of the thermal expansion of six optical materials, from room temperature to 250°C (E), AO 17: 1152
- Measurement techniques for small absorption coefficients: recent advances (R), AO 16: 2827
- Method for determining the complex index of refraction for nontransparent materials (A), JOSA 69: 1472
- Modeling and fabrication of gradient index glass (A), JOSA 66: 1119
- Multikilowatt laser-materials processing (A), JOSA 67: 1414
- NBS reference hazemeter: its development and testing (E), AO 18: 1619
- NBS-RMIC compilation of data on optical materials (N), JOSA 64: 409
- Optical absorption by polychromatic glasses (A), JOSA 68: 1395
- Optical absorption in  $\text{KCl}$  and  $\text{NaCl}$  at infrared laser wavelength (E) (L), AO 17: 1679
- Optical and physical parameters of Plexiglas 55 and Lexan (E), AO 18: 101
- Optical constants of far infrared materials. 3: Plastics, AO 14: 1335
- Optical film materials and their applications (R), AO 15: 2318
- Optical materials for fusion lasers (A), JOSA 69: 1437
- Optical properties of crystalline  $\text{MgF}_2$  from 115 nm to 400 nm (E) (L), AO 18: 1477
- Optical properties of CVD  $\text{ZnS}$  in the infrared (A), JOSA 67: 1443
- Optical properties of evaporated films of  $\text{ZnS}$  in the vacuum ultraviolet from 160 to 2000 Å (E), JOSA 68: 1319
- Optical properties of gradient index materials (A), JOSA 66: 1119
- Optical properties of highly transparent solids, an international conference, Waterville Valley, New Hampshire, 3-5 Feb 1975 (M), Reported by Mitra, S. S., Bendow, Bernard, AO 14: 1473
- Optical properties of  $\text{KCl}$  forged between optically polished dies (A), JOSA 68: 1397
- Optical science and engineering short course, Tucson, 3-13 Jan 1978, AO 16: 2805
- Photoacoustic determination of small optical absorption coefficients: extended theory (T), AO 18: 1363
- Photoacoustic technique for determining optical absorption coefficients in solids (E), AO 16: 101
- Photoelastic constants of potassium chloride at 10.6  $\mu\text{m}$  (ET), AO 16: 2925
- Photon-induced coloring of multicomponent glasses (E), AO 18: 3342
- Plastic optics—now and tomorrow (A), JOSA 68: 1444
- Preparation of photochromic gradient lenses (P), AO 18: 3958
- Preparation of photochromic gradient lenses (P), AO 18: 3958
- Pressure and stress dependence of the refractive index of transparent crystals (T), AO 13: 2382
- Radiation induced transmission loss in optical materials (E), AO 18: 2618
- Real-time recording medium: photodichroic  $\text{KF:LiF}$  (E), AO 17: 1550
- Reflectance and complex refractive index of calcite and dolomite: ordinary ray (A), JOSA 65: 1170
- Reflectance and complex refractive index of polycrystalline limestone (A), JOSA 65: 1170
- Reflectance and optical constants for Cer-Vit from 250 to 1050 Å (E), JOSA 64: 834
- Refraction, dispersion and  $dn/dT$  of CVD zinc selenide (A), JOSA 65: 1169
- Refractive index and spectral modeling of gradient index materials (A), JOSA 68: 1396



Refractive index and temperature coefficient of index of KCl (A), JOSA 64: 1383

Refractive-index dependence of pulsed-laser-induced damage (ET), OL 4: 256

Refractive-index of Irtran 2 as a function of wavelength and temperature (E), AO 17: 1547

Refractive index of Irtran 6 (hot-pressed cadmium telluride) as a function of wavelength and temperature (E), JOSA 65: 1267

Refractive index of some oxide and fluoride coating materials (T), AO 18: 111

Refractive index of ZnSe at 3.8 and 10.6  $\mu\text{m}$  from 80 to 300 K (A), JOSA 68: 1397

Refractive index of ZnSe at 3.8  $\mu\text{m}$  and 10.6  $\mu\text{m}$ , from 80 K to 300 K (E) (L), AO 18: 2085

Refractive indices of powdered materials and materials with nonspecularly reflecting surfaces: a simple method of determination (E) (L), AO 14: 1489

Residual absorption in infrared materials (A), JOSA 67: 253

Residual absorption in infrared materials (R), AO 16: 2882

Residual lattice absorption in semiconducting crystals: frequency and temperature dependence (ET), AO 16: 2909

Room temperature vulcanizing silicone rubber as an optical element (E) (L), AO 16: 292

Scattering properties of optical surfaces and baffle materials for infrared systems (A), JOSA 67: 254

Self-focusing in laser-induced breakdown of transparent materials (A), JOSA 69: 1471

Self-holograms of laser-induced surface depressions in heavy hydrocarbons (ET), AO 17: 2381

Short pulsed CO<sub>2</sub> laser damage studies on pyroelectric materials (A), JOSA 69: 1472

Silicone rubber applied within the eye: a preliminary study (TE), AO 18: 1305

Simple determination of workpiece-focal-point window tolerances in laser-material processing (ET) (L), AO 18: 3205

Single-shot and multiple-shot damage in laser materials: statistical considerations (A), JOSA 66: 1119

Spherical lens structures (P), AO 14: 1456

Static profile calorimetry of laser materials (T), AO 16: 2897

Statistical analysis of defect-caused laser damage in thin films (T), AO 16: 1563

Strength and failure prediction for silicate glasses (A), JOSA 65: 1193

Structure and fracture mechanics of glass (A), JOSA 65: 1192

Surface absorption in KCl and CaF<sub>2</sub> at 2.8  $\mu\text{m}$  and 3.8  $\mu\text{m}$  (E) (L), AO 18: 2534

Surface evaluation techniques and surface statistics for infrared optical materials (A), JOSA 67: 254

Temperature change of the refractive index of CVD ZnSe at 10.6  $\mu\text{m}$  (E) (L), AO 13: 1999

Temperature coefficients of the indices of refraction and of the birefringence in cadmium sulphide (E), JOSA 67: 190

Temperature dependence of multiphonon absorption in zinc selenide (ET), AO 16: 2891

Temperature-dependent Sellmeier coefficients and coherence length for cadmium telluride (T), JOSA 67: 628

Temperature variations of the refractive index of ZnSe (A), JOSA 66: 1119

Thermal emittance study of small MgO crystals (A), JOSA 69: 1472

Thermal expansion data for eight optical materials from 60 K to 300 K (E), AO 16: 3214

Thermal expansion of Irtran materials, from 30 to 250°C (A), JOSA 67: 1443

Thermoplastic-photoconductor tape for optical recording (ET), AO 17: 2802

Three-terminal capacitance cells for dielectric measurements from 60 to 500 K (A), JOSA 69: 1471

Three-terminal capacitance method for measuring the dielectric constants of optical materials from room temperature to 77 K (A), JOSA 67: 1443

Time-resolved interferometric technique and measurements of the nonlinear refractive index of laser materials (A), JOSA 66: 388

Tolerance of the refractive index gradient in optical elements (T), AO 17: 1697

Transient deformation of liquid surfaces by laser-induced thermocapillarity (T), AO 18: 283

Transmittance of photochromic glass at environmental extremes (E) (L), AO 18: 595

Transmittance of synthetic crystalline quartz from 2000 to 1450 A (A), JOSA 64: 1383

Two-photon absorption coefficients in UV window and coating materials (E), AO 18: 1015

Ultrasonic cleaning and laser surface damage threshold (E) (L), AO 16: 1130

Ultraviolet-visible absorption in highly transparent solids by laser calorimetry and wavelength modulation spectroscopy (E), AO 17: 1541

Wavelength dependence of  $dn/dT$  in infrared-transmitting semiconductor materials (T) (L), AO 16: 1796

Wideband optical transmission properties of seven thermoplastics (A), JOSA 68: 1397

Wideband optical transmission properties of seven thermoplastics (ET), AO 18: 1842

## Optical measurements

See Metrology

## Optical physics

Technical group, new (N), JOSA 65: 476

## Optical processing

See also Data processing, Fourier transforms, Information processing, Signal processing

Acoustooptic snapshot PROM: a real-time optical-signal spectrum analyzer (E), AO 17: 2762

Analysis of holographic optics for optical processors (A), JOSA 66: 1061

Bilinear processing of 1-D signals by use of linear 2-D coherent optical processors (TE), AO 17: 3408

Bipolar incoherent optical pattern recognition by carrier encoding (TE), AO 18: 660

Bipolar pointspread function synthesis by phase switching (T) (L), AO 16: 265

Classification scheme and properties of schlieren techniques (ET), AO 18: 3338

Coding and decoding of dilute and continuous-tone objects in incoherent light (ET), JOSA 65: 695

Coherent optical analog-to-digital conversion using a single halftone photograph (TE), AO 17: 2181

Coherent optical implementation of 1-D Mellin transforms (TE) (L), AO 16: 2609

Coherent optical noise suppression device (ET), AO 13: 2244

Coherent optical processing method and system having improved signal-to-noise ratio utilizing polarizing filters (P), AO 14: 1457

Coherent optical processor apparatus with improved Fourier transform plane spatial filter (P), AO 15: 2609

Coherent spatial filtering with simulated input (E), AO 18: 1659

Color coding of spatial frequencies using incoherent optical processing (E), AO 18: 4206

Contour map display using computer-generated holograms (TE), AO 14: 2447

Crosstalk reduction in optical switching (T) (L), AO 14: 2559

Dielectric and optical properties of electron-beam-addressed KD<sub>2</sub>PO<sub>4</sub> (E), JOSA 64: 1575

Diffuser for producing texture masks for image processing (TE), AO 13: 648

Distortions of synthetic aperture radar imagery due to target motion (T) (L), AO 13: 471

Dual-axis joint-Fourier-transform correlator (ET), OL 4: 121

Elliptic polarization represented by the Carter and Smith charts (T), AO 18: 4017

Emulsion thickness and space variance: combined effects in Vander Lugt optical correlators (ET), AO 14: 1679

Equalizing and coherence measure correlators (ET), AO 17: 3418

Fe-doped LiNbO<sub>3</sub> for read-write applications (ET), AO 13: 788

Filtering by several different spatial frequency filters (P), AO 13: 1727

Flexible bandpass filtering using a coherent optical feedback technique (E), AO 18: 2787

Fourier spectrum of an object using holographic lenses (E) (L), AO 14: 2562

Fourier transform differences and averaged similarities in diatoms (E), AO 18: 1663

Fourier transform lens: a misnomer (L), AO 13: 2747

Fourier transform plane superposition multiplier: theory, experimental results, and discussion (TE), AO 17: 3060

Frequency-variant optical signal processing systems (A), JOSA 66: 1130

Fresnel region for spatially band-limited signals (T), JOSA 65: 188

Fully parallel, high-speed incoherent optical method for performing discrete Fourier transforms (TE), OL 2: 1

Generalized model for noncoherent optical convolvers and correlators (T) (L), AO 17: 984

General one-dimensional space-variant coherent optical processors (A), JOSA 66: 1130

General theory of linear, coherent optical data-processing systems (E), JOSA 67: 60

Generation of coherent optical pulses (E) (L), AO 16: 263

Halftone screen design methods for nonlinear optical processing (TE), AO 18: 2792

Holographic optics for a matched-filter optical processor (TE), AO 18: 631

Hybrid optical-digital radiography-based system for lung disease detection (E), AO 16: 2637

Image analysis using enhanced spatial correlation functions (ET), AO 13: 1828

Incoherent diffraction correlator with a holographic filter (T), AO 18: 4203

Increasing the holographic matched filter information capacity (T), AO 16: 3027

Iterative Fourier approach for describing linear, multiple plane, coherent optical processors (T), AO 18: 2775

Large time-bandwidth product acoustooptic correlator and its use in a cascade design matched filter (E), AO 13: 1342

Laser Doppler velocimeter as an optoelectronic data processing system (ET), AO 14: 180

Laser-induced phase transition in the surface of SmS crystals (E), AO 13: 95

Linear system characterization through response cataloging (T), AO 18: 655

Linear Systems, Fourier Transforms, and Optics. Jack D. Gaskill (B), Reviewed by Young, Matt, JOSA 69: 637

Matched filter processing of raster-scanned images: analysis (T), AO 15: 2391

Maximum-likelihood restoration of nonstationary imagery (T), JOSA 64: 17

Methode d'échantillonnage des fonctions déterministes en spectroscopie: application a un spectrometre multicanal par comptage photonique (T), AO 13: 581

Methode d'échantillonnage des fonctions déterministes en spectroscopie: application a un spectrometre multicanal par comptage photonique (errata), AO 13: 1739

Microchannel spatial light modulator (E), OL 3: 196

Multi-channel optical correlation system (P), AO 15: 2945

Multiple imaging by diffraction techniques (R) (L), AO 15: 312

Multiple imaging with thin phase filters: a signal processing approach (TE), JOSA 68: 733

Multiplex advantage in the detection of optical images in the photon noise limit (TE), AO 13: 158

Nematic liquid crystal 1024 bits page composer (TE), AO 13: 1355

Noise performance of an achromatic coherent optical system (T), AO 18: 2803

Noncoherent optical processing (A), JOSA 69: 1431

Noncoherent Optical Processing. By G. L. Rogers (B), Reviewed by Casasent, David; Psaltis, Demetri, AO 17: 2472

Noncoherent Optical Processing. By G. L. Rogers (B), Reviewed by Caulfield, Henry John, JOSA 68: 1154

Nonlinear optical processing: analysis and synthesis (TE), AO 16: 1009

Novel hybrid optical correlator: theory and optical simulation (TE), AO 14: 369

Novel techniques for optical information processing: an introduction, AO 18: 2735

One-dimensional linear coherent processing using a single optical element (TE), AO 18: 2783

One-dimensional Mellin transformation using a single optical element (TE) (L), AO 18: 754

Optical computation using residue arithmetic (T), AO 18: 149

Optical Data Processing. Edited by D. Casasent (B), Reviewed by Rogers, Gordon L., AO 17: 1510



- Optical data storage potential of six materials (E), AO 13: 761
- Optical feedback applied to partial differential equation solutions (A), JOSA 69: 1459
- Optical filtering of aeromagnetic maps (E), AO 13: 1013
- Optical image-forming system for T-type correlation antennas (TE), AO 17: 3884
- Optical image plane correlator for ambiguity surface computation (TE), AO 18: 1673
- Optical information processing, ICO conference, Sydney, 19-21 Aug 1974 (M), Reported by McNeill, J. J., AO 14: 260
- Optical logarithmic filtering using inherent film nonlinearity (E), AO 16: 2559
- Optical matched filtering of incoherent images (T) (L), AO 18: 3548
- Optical processing apparatus (P), AO 15: 1346
- Optical pseudocolor encoding of spatial frequency information (ET), AO 17: 2524
- Optical residue arithmetic: a correlation approach (TE), AO 18: 163
- Optical residue arithmetic computer with programmable computation modules (T), AO 18: 2812
- Optical smoothing filters (TE) (L), AO 13: 996
- Optical statistical classifiers using coherent and incoherent light (T), AO 18: 2737
- Optical storage of digital data, topical meeting (R), AO 13: 747
- Optical subtraction of images in real time (P), AO 18: A115
- Optical transfer function of an acousto-optic heterodyning image processor (ET), OL 4: 317
- Optimum filters and integrators for photoelectric detection of optical signals (A), JOSA 68: 1384
- Optimum imaging method for optical data processors (T), AO 16: 137
- Page-oriented associative holographic memory (T), AO 13: 904
- Parallel incoherent optical hybrid processor (A), JOSA 69: 1431
- Performing complex-valued linear operations on complex-valued data using incoherent light (T) (L), AO 16: 2611
- Phase from intensity measurements (T), JOSA 68: 87
- Phase image differentiation with linear intensity output (T), AO 17: 181
- Phase recovery from a single intensity distribution (T), OL 1: 10
- Phase response of a liquid crystal image transducer (A), JOSA 67: 1445
- Planimetric analysis of color images using least-squares and related algorithms (T), JOSA 65: 191
- Practical coherent optical spectrum analyzer for the processing of blood flow signals (A), JOSA 67: 1381
- Processing optical data matrices (E), AO 17: 3412
- Random pattern generation using coherent optical spatial filtering, AO 18: 2830
- Real-time coherent object edge reconstruction with  $\text{Bi}_{12}\text{SiO}_{20}$  crystals (E) (L), AO 17: 2671
- Real-time coherent optical edge enhancement (E) (L), AO 17: 161
- Real-time optical correlation (E), AO 14: 2602
- Reflection holographic filters for compacting optical processors (E), AO 13: 1019
- Restoration of a smeared photographic image by incoherent optical processing (T), AO 17: 3571
- Safeguard against falsification of securities suitable for automatic machines (P), AO 18: 3966
- Sampling theorem characterization of variation limited systems at reduced sampling rates (A), JOSA 68: 1362
- Scanning and restoration of spectral data in the presence of noise (T), JOSA 64: 335
- Screening of cervical cytological samples using coherent optical processing. Part 1 (ET), AO 17: 21
- Screening of cervical cytological samples using coherent optical processing. Part 2 (TE), AO 17: 35
- Screening of cervical cytological samples using coherent optical processing. Part 3 (ET), AO 17: 43
- Spectral properties of random arrays of grains (TE) (L), JOSA 68: 1781
- Spectral properties of random arrays of grains: comment (T) (L), JOSA 68: 1782
- Speech analysis by optical processing (E) (L), AO 13: 998
- Stacked optical memories (T), AO 13: 341
- Statistical inference of particle populations from scattered light (T), JOSA 69: 1684
- Sufficient conditions for a thin-filter description of thick phase filters (T), JOSA 65: 1337
- Surface roughness measurements with an optical Fourier spectrum analyzer (E), AO 18: 796
- Synthetic modal interferometric laser imaging (TE), AO 16: 2441
- Temporal measurements in the spatial frequency spectrum of liquid crystal image transducers (E), AO 18: 1895
- Temporal modulation in noncoherent optical data processing (E) (L), AO 13: 997
- Theoretical limitations of the optical power spectrum analyzer (T), AO 13: 1023
- Time integrating acoustooptic correlator (E), AO 15: 89
- Transfer requirements for target radiance simulation in optical projection simulators (T), AO 14: 124
- Transform processing of particle size and distribution (P), AO 18: A206
- Two-dimensional coherent space-variant processing using temporal holography: processor theory (T), AO 18: 3670
- Two-dimensional optical processing of one-dimensional signals (A), JOSA 65: 1178
- Two-pupil synthesis of optical transfer functions (T), AO 17: 1141
- White light optical processing and holography, AO 16: 2565
- White-light pseudocolor density encoder (ET), OL 3: 190
- ### Optical properties
- See Optical constants
- Absorption coefficients of highly transparent solids: photoacoustic theory for cylindrical configurations (T), AO 15: 1313
- Aerosol particles: remarks on the optical properties (ET), AO 16: 2651
- Aging of optical properties of polished copper mirrors (E) (L), AO 16: 2035
- Calculating the optical properties of multilayer-dielectric reflectors (E), JOSA 67: 1590
- Collective oscillations of electrons in aggregated noble-metal films (T) (L), AO 17: 2136
- Computation of the optical properties of nonideal multilayer structures (T), AO 18: 3123
- Cryogenic refractive indices and temperature coefficients of cadmium telluride from 20 to 300 K (A), JOSA 68: 1397
- Cryogenic refractive indices and temperature coefficients of cadmium telluride from 6  $\mu\text{m}$  to 22  $\mu\text{m}$  (E), AO 18: 3114
- Cryogenic temperature IR refractive indices of cesium bromide and cesium iodide (E), AO 18: 3116
- Determination of inherent optical properties of Lake Ontario coastal waters (E), AO 18: 3926
- Dielectric function measurements on ion-implanted metallic systems (E), JOSA 67: 1099
- Direct relation between Fresnel's interface reflection coefficients for the parallel and perpendicular polarizations (T), JOSA 69: 1007
- Effect of  $\text{O}_2$  on the optical properties of thin rhodium films (A), JOSA 66: 163
- Efficacy of ion polishing optical surfaces (E) (L), AO 16: 1486
- Evaporated films of arsenic trisulfide: dependence of optical properties on light exposure and heat cycling (E), JOSA 68: 32
- High frequency polarization modulation method for measuring optical rotation (E), AO 14: 761
- Identification of the optically absorbing component in urban aerosols (E) (L), AO 17: 3879
- Impurity absorption in CVD ZnSe (E), AO 16: 2902
- Infrared absorption in chemical laser window materials (E), AO 15: 1953
- Instrument measures many optical properties in visible and IR (N), AO 18: 2700
- KDP and ADP transmission in the vacuum ultraviolet (E) (L), AO 16: 1798
- Kubelka-Munk optical properties of a barium sulfate white reflectance standard (E), AO 16: 729
- Kubelka-Munk optical properties of a barium sulfate white reflectance standard: a comment (E) (L), AO 16: 2627
- Laser induced damage in optical materials: ninth ASTM symposium (R), AO 17: 2386
- Laser-induced phase transition in the surface of  $\text{SmS}$  crystals (E), AO 13: 95
- Light scattering from aggregated noble-metal films (E), JOSA 68: 189
- Measurement of reflectance by gas ionization (E), AO 16: 2576
- Measurement of the infrared optical properties of aerosols (A), JOSA 68: 1358
- Measurement of the optical properties of gradient index materials (E), JOSA 68: 1157
- Measurements of standing waves and the absorption coefficients of various materials with surface electromagnetic waves on Al (E), AO 14: 1579
- Nondegradation of optical properties due to aging of copper (A), JOSA 66: 1105
- Nonlinear optical properties of  $\text{Nd}^{3+}$  in YAG (A), JOSA 69: 1477
- Optical and acoustic properties of arsenic pentasulfide glass (L), AO 17: 2482
- Optical and electrical effects during polymerization and depolymerization in liquid sulfur: indications for the nonuniformity model for covalent liquids (E), AO 15: 327
- Optical and physical parameters of Plexiglas 55 and Lexan (E), AO 18: 101
- Optical and physical properties of vacuum-deposited PbS films (A), JOSA 68: 1423
- Optical behavior of a metal island film (T), JOSA 68: 1039
- Optical behavior of yttrium films in ultrahigh vacuum (E) (L), AO 18: 1702
- Optical characteristics of a clear epoxy (E) (L), AO 17: 3518
- Optical effects of shock front on nose-mounted optics (T), AO 13: 602
- Optical polishing and cleaning of press-forged (polycrystalline)  $\text{CaF}_2$  and  $\text{SrF}_2$  IR laser windows (E) (L), AO 18: 957
- Optical properties ions in solids, course, Erice, Italy, 6-21 Jun 1974 (N), AO 13: 689
- Optical properties of aggregated noble metal films (ET), JOSA 67: 502
- Optical properties of aggregated lithium deposits (E), JOSA 67: 510
- Optical properties of a metal sphere with a diffuse surface (T), JOSA 66: 449
- Optical properties of bismuth trifluoride thin films (E), AO 18: 105
- Optical properties of bulk niobium from 6.6 to 23 eV (E), JOSA 68: 1017
- Optical properties of crystalline  $\text{MgF}_2$  from 115 nm to 400 nm (E) (L), AO 18: 1477
- Optical properties of CVD ZnS in the infrared (A), JOSA 67: 1443
- Optical properties of evaporated platinum films in the vacuum ultraviolet from 2200 Å to 150 Å (E), JOSA 69: 1695
- Optical properties of gradient index materials (A), JOSA 66: 1119
- Optical properties of highly transparent solids, an international conference, Waterville Valley, New Hampshire, 3-5 Feb 1975 (M), Reported by Mitra, S. S.; Bendow, Bernard, AO 14: 1473
- Optical Properties of Highly Transparent Solids. Edited by Shashanka S. Mitra and Bernard Bendow (B), Reviewed by Brody, Edward M., JOSA 66: 873
- Optical Properties of Inhomogeneous Materials: Application to Geology, Astronomy, Chemistry, and Engineering. By Walter C. Egan and Theodore W. Hilgeman (B), Reviewed by Aronson, James R., AO 18: 4084
- Optical Properties of Ions in Solids. Edited by B. Di Bartolo (B), Reviewed by Wallis, R. F., AO 15: 1368
- Optical Properties of Ions in Solids. By Baldassare Di Bartolo, Editor (B), Reviewed by Dexter, David L., JOSA 67: 411
- Optical properties of KCl forged between optically polished dies (A), JOSA 68: 1397
- Optical properties of metamagnets (A), JOSA 65: 1168
- Optical properties of particle migration imaging film (ET), AO 17: 2650
- Optical Properties of Semiconductors, Volume 75. Edited by N. G. Basov; translated from the Russian by Albin Tybulewicz (B), Reviewed by Kelley, Paul L., JOSA 67: 852
- Optical Properties of Solids. Edited by F. Abeles (B), Reviewed by Fischer, John E., JOSA 65: 102



Optical Properties of Solids: New Developments. Edited by B. O. Seraphin (B), Reviewed by Hunter, W. R., AO 15: 2602

Optical Properties of Solids—New Developments. Edited by B. O. Seraphin (B), Reviewed by Dexter, David L., JOSA 67: 416

Optical properties of solids relevant to photothermal solar energy (A), JOSA 67: 251

Optical properties of  $\text{SrTiO}_3$  at high temperatures (E), JOSA 68: 610

Optical properties of the leaves of some African crop plants (E), AO 16: 248

Optical properties of thin films (A), JOSA 68: 1439

Optical properties of  $\text{Ti}_2\text{SeAs}_2\text{Te}_3$  amorphous chalcogenide glass in the range 2 to 10.6  $\mu\text{m}$  (A), JOSA 68: 1396

Optoacoustic measurement of optical absorption in acetylene smoke (TE), JOSA 69: 1699

Partial differential rate equations for a bilevel absorber (TE), AO 17: 357

Penetration depth of 10.6- $\mu\text{m}$  radiation in Plexiglas (E) (L), AO 18: 1295

Performing optical measurements in solids under variable uniaxial stress and temperature: a system (E), AO 13: 1971

Photoacoustic determination of small optical absorption coefficients: extended theory (T), AO 18: 1363

Photoacoustic spectroscopy: a measurement technique for low absorption coefficients (T), AO 16: 2834

Photoelastic constants of potassium chloride at 10.6  $\mu\text{m}$  (ET), AO 16: 2925

Photoemission studies of  $\text{LaF}_3$  (E), JOSA 68: 521

Photon-induced coloring of multicomponent glasses (E), AO 18: 3342

Photon trapping and energy transfer in multiple-dye plastic matrices: an efficient solar-energy concentrator (E), OL 1: 73

Picosecond pulse stacking in calcite (ET) (L), AO 18: 947

Power dependence of reflectivity of metallic films (TE), AO 15: 127

Recursive solution of the dispersion relation of a surface polariton in a layered structure (T) (L), JOSA 67: 698

Refractive index and surface layers of ceramic ( $\text{Pb},\text{La}$ )( $\text{Zr},\text{Ti}$ ) $\text{O}_3$  compounds (E), AO 16: 3210

Refractive index changes in germanium due to intense radiation (E), AO 17: 526

Refractive index changes in germanium due to intense radiation (errata), AO 17: 3706

Residual absorption in infrared materials (R), AO 16: 2882

Retroreflection from rough surfaces (T), JOSA 68: 1225

Selective nature of gold-black deposits (E), JOSA 66: 249

Simultaneous determination of refractive indices and angles of prisms (E), AO 13: 118

Solar-selective globular metal films (ET), JOSA 68: 1032

Split-pulse laser method for measuring attenuation coefficients of transparent liquids: application to deionized filtered water in the visible region (E), AO 17: 3587

Structural composition and optical properties of good solar blacks: gold black (A), JOSA 67: 252

Structural composition and optical properties of solar blacks: gold black (TE), AO 16: 2822

Study of the optical properties of anthracene thin films by ellipsometry (TE), JOSA 65: 1269

Temperature change of the refractive index of CVD ZnSe at 10.6  $\mu\text{m}$  (E) (L), AO 13: 1999

Testing of optically active substances by polarized radiation (P), AO 15: 2608

Thin film coatings: algorithms for the determination of reflectance and transmittance, and their derivatives (T), AO 18: 2701

Threshold of detection for various materials at 10.6  $\mu\text{m}$  (E) (L), AO 17: 2670

Transformation of Fresnel's interface reflection and transmission coefficients between normal and oblique incidence (T), JOSA 69: 590

Transmittance of photochromic glass at environmental extremes (E) (L), AO 18: 595

Unusual white light conoscopic figure in single crystal lithium metagermanate  $\text{Li}_2\text{GeO}_3$  (E) (L), AO 17: 4339

Variations energetiques de l'absorption optique du lanthane et du praséodyme pris en couches minces (E), AO 13: 599

Wideband optical transmission properties of seven thermoplastics (A), JOSA 68: 1397

Wideband optical transmission properties of seven thermoplastics (ET), AO 18: 1842

## Optical shop

See also Optical engineering, Optical fabrication

Absorption at 10.6- $\mu\text{m}$  dependence on roughness of UHV-coated supersmooth mirrors (E) (L), AO 14: 266

Accurate convex hyperbola (N), AO 18: 2907

Active annular-beam laser autocollimator system (E), AO 14: 1890

Adaptive Optics and Short Wavelength Sources. Edited by Stephen F. Jacobs, Murray Sargent III, and Marlan O. Scully (B), Reviewed by Schmutz, L. E., AO 18: 1473

Aspherical surface polishing with a ring polisher (ET), AO 18: 559

Aspheric lens generator (P), AO 15: 1359

Basic mechanism in free abrasive grinding (L), AO 14: A224

Change of scatter after cleaning of silver mirrors (A), JOSA 65: 1215

Chemical spray silvering (L), AO 16: 2785

Computer simulation of the optical polishing process (A), JOSA 67: 1378

Convex stainless steel parabola (E) (L), AO 13: 1541

Dividing, Ruling and Mask-Making. By D. F. Horne (B), Reviewed by Loewen, Erwin G., JOSA 65: 469

Dividing, ruling and mask making course, Cranfield Institute of Technology, 8-12 Jul 1974 (N), AO 13: 172

Edging a large oval piece of glass (N), AO 14: 11

Fabrication and testing of gradient-index components (A), JOSA 64: 1376

Fabrication of a shallow, reflective infrared (10.6  $\mu\text{m}$ ) diffraction grating by ionic polishing and ruling (A), JOSA 64: 538

Fabrication of aspherics using a mathematical model for material removal (ET), AO 13: 1683

Generation of a spherical mirror in aluminum (N), AO 18: 3878

Grinding and figuring of a 90° off-axis paraboloid segment (A), JOSA 64: 1377

Ion polishing of copper: some observations (E), AO 14: 1803

Keeping dust off optical components (E) (L), AO 18: 1471

Laser machining with modulated zone plates (ET), AO 13: 269

Laser recording with truncated Gaussian beams (A), JOSA 68: 1436

Lens Mechanism Technology. By D. F. Horne (B), Reviewed by Hopkins, Robert E., JOSA 67: 262

Lens surfacing tool and tool holder (P), AO 18: 3341

Linear, annular, and radial focusing with axicons and applications to laser machining (ET), AO 17: 1532

Machined ultra-lightweight mirror blank (A), JOSA 64: 1376

Machining a copper off-axis parabola (L), AO 14: 1753

Machining of optics: an introduction (E), AO 14: 1773

Making a complete ellipse of rotation (L), AO 18: 253

Making a convex aspheric (N), AO 14: 803

Making and testing an  $f/0.15$  parabola (E) (L), AO 13: 1987

Making an 18-in. diameter integrating sphere (L), AO 14: 1252

Making an octagonal prism from Plexiglas (N), AO 16: 272

Making a steep, radically aspheric lens both concave and convex (L), AO 16: 1122

Making concentric hemicylinder lenses (E) (L), AO 13: 13

Making high-grade quartz tubes (L), AO 18: 1695

Making mica retardation plates: a simple technique (E) (L), AO 18: 1138

Making stainless steel masters for highway reflectors (N), AO 13: 1010

Manual on precision lapping and polishing (N), AO 17: 356

Mechanism of the diamond lapping process (E) (L), AO 13: 1264

Method for cleaning low-scatter mirrors after exposure to silicone oil (A), JOSA 66: 1105

Near perfect optical square (E) (L), AO 18: 1284

Optical fabrication of a large lightweight mirror of unusual shape (A), JOSA 64: 1376

Optical figuring of prisms (E) (L), AO 16: 1459

Optical polishing with titanium dioxide (E) (L), AO 15: 1693

Optical Shop Notebook. Volume 1, 1974-1975. By J. B. Houston, Jr. (B), Reviewed by Muffoletto, C. Verne, AO 15: 1107

Optical Shop Testing. Edited by Daniel Malacara (B), Reviewed by Parks, Robert E., AO 17: 2862

Performance characteristics of single point diamond machined metal mirrors for infrared laser applications (E), AO 13: 2647

Physical model for predicting grinding rates (T), AO 13: 2719

Polishing KDP and other soft water-soluble crystals (E) (L), AO 18: 1125

Polishing plastic—2 (E) (N), AO 13: 2748

Precision prism made of calcium fluoride (N), AO 15: 1353

Profiling pitch polishers (E) (L), AO 17: 3022

Protective coating aids polishing of water-soluble crystals (E) (L), AO 18: 4063

Quick fast off-axis parabolas (E) (L), AO 17: 671

Rapid interferometric examination of glass for index inhomogeneity (E) (L), AO 18: 2525

Realization of a bi-aspherical objective lens for the Philips Video Long Play system (E), OL 4: 70

Screen test for large mirrors (E), AO 13: 1773

Standard of flatness: its application to Fabry-Perot interferometers (E), AO 14: 2283

Sturdy inexpensive optical table (E) (L), AO 18: 753

Teflon polishers: their manufacture and use (L), AO 15: 293

Testing a prism's compound reflecting angles (L), AO 14: 2791

Testing the sphericity of short radii convex surfaces (E) (L), AO 13: 229

Tool feed influence on the machinability of  $\text{CO}_2$  laser optics (E), AO 14: 1777

Twelve-sided polygon of hardened steel (L), AO 18: 2090

Uniform polishing of convex aspheres with an elastic lap (TE), AO 14: 2274

Various Methods of Making Prisms Developed Since 1946. By Frank Cooke (B), Reviewed by Parks, Robert E., AO 16: 2777

Versatile flexure mount for precise positioning of optical elements (E) (L), AO 13: 737

## Optical Society of America

See also Awards, Biographical notes

Annual meeting, 1975 (N), JOSA 65: 1087

Annual meeting, Houston, 15-18 Oct 1974 (N), JOSA 64: 1284

Annual meeting, 1974, Houston, 15-18 Oct 1975 program (N), JOSA 64: 1355

Annual meeting, OSA, Houston, 15-18 Oct 1974 (M), Reported by Rabson, Thomas A.; Sperling, Harry G., AO 14: 257

Annual meeting, 1975, Sheraton Boston Hotel, Boston, Massachusetts program (N), AO 14: 2046

Annual report of the executive director (N), JOSA 64: 411

Annual report of the executive director (N), JOSA 65: 228

Annual report of the executive director (N), JOSA 66: 1447

Annual report of the executive director (N), JOSA 67: 1697

Annual report of the executive director (N), JOSA 68: 278

Annual report of the executive director (N), JOSA 69: 374

1977 awards (N), AO 16: 1552

Awards 1977 (N), JOSA 67: 715

Awards for 1979 (N), JOSA 69: 1460

Board meeting and decisions, 3-4 Jun 1976 (N), JOSA 66: 983

Board meeting, 21 Apr 1974 (N), JOSA 64: 900

Bylaws amendment (N), JOSA 65: 751

Bylaws amendment (N), JOSA 67: 1605

Bylaws amendments (N), JOSA 67: 266

Bylaws revision (N), JOSA 64: 258

Bylaws revision (N), JOSA 68: 1464

Bylaws revisions approved, April 1974 (N), JOSA 64: 1283

Committees for 1974 (N), JOSA 64: 736

Committees for 1975 (N), JOSA 65: 471

Congressional fellowship experience (N), JOSA 68: 286



- Congressional Science and Engineering Fellowship, 1977-78, Douglas A. Segar (N), AO 16: 2742
- Congressional Science and Engineering Fellow, 1979-80 Michael E. Breton (N), AO 18: 2051
- Congressional Science and Engineering Fellow, 1979-80, Michael E. Breton (N), JOSA 69: 1189
- Congressional Science and Engineering Fellow (N), JOSA 65: 620
- Corporation members, see every issue of JOSA
- Corporation members (N), AO 16: 3242
- Distinguished Service Award 1977, Stanley Ballard (N), JOSA 67: 274
- Distinguished Service Award to Mary Elizabeth Wurga (N), JOSA 64: 577
- Editorial Board actions (N), JOSA 65: 108
- Editors, Goodman, Joseph W.—New JOSA Editor, JOSA 68: 1016
- Editors, JOSA, David L. Macadam retirement (N), JOSA 65: 1533
- Editors, New JOSA editor, Douglas C. Sinclair (N), JOSA 65: 752
- Editors, resolution on David L. MacAdam (N), JOSA 66: 191
- Executive office moved (N), JOSA 64: 1572
- Fleury, Pierre (N), JOSA 67: 134
- Florida Section, fall meeting, University of Miami, 4 Dec 1976 (M), Reported by Mohon, Neil, AO 16: 533
- Florida Section, winter meeting Brevard Community College, 29 Jan 1977 (M), Reported by Mohon, Neil, AO 16: 1121
- Handbook of Optics (N), JOSA 68: 1650
- Ives, Frederic, Award, 1973, Rudolf Kingslake (N), JOSA 64: 119
- Ives, Frederic, Medal, 1974, David Lewis Macadam (N), JOSA 65: 479
- Ives, Frederic, Medal, 1975, Ali Javan (N), JOSA 66: 187
- Ives, Frederic, Medal, 1976, Arthur L. Schlawlow (N), JOSA 67: 135
- Ives, Frederic, medal, 1977, Emil Wolf (N), JOSA 68: 1
- Ives, Frederic, Medal, 1978, Harold H. Hopkins (N), JOSA 68: 1461
- Ives, Frederic, Medal, 1978, Harold H. Hopkins (N), JOSA 69: 1
- Ives, Frederic, Medal, 1979, Nicholass Bloembergen (N), AO 18: 1349
- Lippincott, Ellis R., Award, 1976, Richard Lord (N), JOSA 67: 267
- Lippincott, Ellis R., Award, 1978, Bryce L. Crawford (N), JOSA 68: 1462
- Lippincott, Ellis R., Award, Establishment (N), JOSA 66: 191
- Local sections, OSA, new, Northwest Section (N), JOSA 67: 1291
- Lomb, Adolph, Medal, 1974, James M. Forsyth (N), JOSA 64: 1153
- Lomb, Adolph, Medal, 1976, Marc David Levenson (N), JOSA 67: 131
- Lomb, Adolph, Medal, 1978, Eli Yablonovitch (N), JOSA 68: 1461
- Lomb, Adolph, Medal nominations (N), JOSA 67: 266
- Mees, C. E. K., Medal, 1975, William David Wright (N), JOSA 65: 1532
- Mees, C. E. K., Medal, 1977, Andre Marechal (N), JOSA 68: 276
- Mees, C. E. K., Medal, 1979, Koichi Shimoda (N), AO 18: 1349
- Meggers, William F., Award, 1973 Curtis Judson Humphreys (N), JOSA 64: 895
- Meggers, William F., Award, 1975, Jean E. Blaise (N), JOSA 66: 187
- Meggers, William F., Award, 1976, William Reginald Stephen Garton (N), JOSA 67: 130
- Meggers, William F., Award, 1977, Mark S. Fred and Frank S. Tomkins (N), JOSA 67: 1136
- Meggers, William F., Award, 1978, Robert P. Madden (N), JOSA 68: 1460
- Meggers, William F., Award, 1978, R. P. Madden (N), AO 17: 3168
- Members, associate member, new category (N), JOSA 64: 900
- Members, Fellows (N), JOSA 65: 108
- Members, free registration for emeritus members (N), AO 13: 2807
- Members, membership report (N), JOSA 66: 1447
- Members, new fellows 1975 (N), JOSA 65: 1533
- Members, new member listing (N), JOSA 64: 411
- Members, new member listing (N), JOSA 65: 228
- Move of the executive office (N), JOSA 64: 1732
- Munsell renovations for samples of OSA uniform color scales (E) (L), JOSA 68: 1343
- Naval Research Lab. citation on its fiftieth anniversary (N), JOSA 64: 1028
- New England Section meeting, Optical Society of America, North Brookfield, 28 Sep 1973 (M), AO 13: 10
- New officers (N), JOSA 64: 1572
- New officers (N), JOSA 64: 1732
- Officers, see every issue of JOSA
- Officers 1977 (N), AO 16: 3246
- Officers and committees 1978 (N), JOSA 68: VI
- Officers, committees, representatives (N), JOSA 69: VI
- Officers, committees, representatives (N), JOSA 69: 1049
- Optical Society Awards, 1980, nominations invited (N), AO 17: 3668
- Optical Society Awards, 1980, nominations invited (N), JOSA 68: 1789
- Optical Society emblem (N), JOSA 65: 1161
- Optical Society medalists for 1979 (N), AO 18: 1349
- Optics Letters (N), JOSA 67: 713
- Optics News (N), JOSA 65: 364
- OSA, annual meeting, Boston, 21-24 Oct 1975 (M), Reported by Lovell, D. J., AO 15: 299
- OSA, annual meeting, Rochester, 9-12 Oct 1973 (M), Reported by Swindell, William, AO 13: 11
- OSA annual meeting, San Francisco, 30 Oct-3 Nov 1978 (M), Reported by Harris, Franklin S., Jr., AO 18: 977
- OSA prize winners, 25th International Science and Engineering Fair (N), AO 13: 2291
- OSA, spring conference, Anaheim, 19-21 Mar 1975 (M), Reported by Meier, Rudolf H., AO 14: 1250
- OSA spring meeting, Washington, 21-25 Apr 1974 (M), Reported by DuPre, Elsie; Blodgett, Jerry; Sica, Louis, AO 13: 1983
- OSA student doctorates (N), JOSA 65: 364
- Perry, W. H., honored by resolution of board of directors, OSA (N), AO 13: 3A15
- Richardson, David, Medal, 1974, Roderic M. Scott (N), JOSA 64: 1154
- Richardson, David, Medal, 1975, Karl Lambrecht (N), JOSA 66: 187
- Richardson, David, Medal, 1976, John Henry McLeod (N), JOSA 67: 131
- Richardson, David, Medal, 1977, Walter P. Siegmund (N), JOSA 68: 276
- Richardson, David, Medal, 1978, Thomas J. Johnson (N), JOSA 68: 1460
- Richardson, David, Medal, 1979, William P. Ewald (N), AO 18: 1349
- Society of Photo-Optical Instrumentation Engineers has become an associate-member society of the Optical Society of America (N), AO 14: 1048
- Spring meeting, Washington, 21-25 Apr 1974, program (N), AO 13: 4A33
- Spring meeting, 1974, Washington, 21-25 Apr 1974 program (N), JOSA 64: 519
- Statement on equal opportunity in the sciences and engineering (N), JOSA 64: 1156
- Student Awards 1977 (N), JOSA 67: 1291
- Technical council (N), JOSA 64: 1156
- Technical council, editorial board and committee chairpersons JOSA 66: (1), VII
- Technical council, editorial board and committee chairpersons JOSA 67: (1), VII
- Technical council, editorial board and committee chairpersons JOSA 68: (1), VIII
- Technical council, editorial board and committee chairpersons JOSA 69: (1), VIII
- Technical digests available (N), AO 17: A152
- Technical group, new (N), JOSA 65: 476
- Technical group program, Washington, 22-25 Apr 1974 (A), JOSA 64: 565
- Technical groups/Council (N), AO 16: 3088
- Technical groups, new Fourier transform spectroscopy, infrared and submillimeter waves (N), JOSA 64: 1732
- Thin films and interferometry, OSA Technical Group symposium, 11 Oct 1973 (M), Reported by Baird, K. M., AO 13: 978
- Tillyer, Edgar D., Award, 1974, Yves Le Grand (N), JOSA 65: 1395
- Tillyer, Edgar D., Award, 1976, Floyd Ratliff (N), JOSA 67: 262
- Tillyer, Edgar D., Award, 1978, Gerald Westheimer (N), JOSA 68: 1460
- Tillyer, Edgar D., Award, 1980 award committee (errata), JOSA 69: 1049
- Travelling lecturer (N), JOSA 64: 1572
- Travelling lecturers (N), JOSA 64: 1732
- Treasurer's Report for 1974 (N), JOSA 65: 1531
- Women in OSA (N), JOSA 64: 1732
- Wood, R. W., Prize, 1975, Emmett N. Leith and Juris Upatnieks (N), JOSA 66: 188
- Wood, R. W., Prize, nominations (N), AO 17: A38
- Wood, R. W., Prize, 1976, Theodore H. Maiman (N), JOSA 67: 263
- Wood, R. W., Prize, 1977, Peter Fellgett (N), AO 17: 1785
- Wood, R. W., Prize, 1978, Peter P. Sorokin (N), JOSA 68: 1461
- Wood, R. W., Prize, 1979, Peter Franken (N), AO 18: 1349

## Optical systems

- See also Optical design
- Aberration tolerances for visual optical systems, JOSA 67: 634
- Afocal parabolic reflectors (T) (L), AO 13: 741
- Afocal systems for thermal imagers (A), JOSA 68: 1874
- All spherical solid catadioptric systems (P), AO 18: 3718
- Analysis of adaptive optical elements made from piezoelectric bimorphs (T), JOSA 69: 181
- Angle amplifying optics using plane and ellipsoidal reflectors (P), AO 17: 1472
- Aplanatic mirror pairs (T) (L), AO 15: 2621
- Aplanatic optical system containing two aspheric surfaces (T), AO 18: 2187
- Aplanatic two-mirror telescopes: a systematic study. 1: Cassegrainian configuration (T), AO 13: 2064
- Aplanatic two-mirror telescopes: a systematic study. 2: The Gregorian configuration (T), AO 13: 2402
- Aplanatic two-mirror telescopes: a systematic study. 3: The Schwarzschild-Couder configuration (T), AO 14: 992
- Apodized optical system (P), AO 16: 1814
- Approximate optical system model (T), AO 15: 1075
- Barlow lens insertion without shifting the image plane (P), AO 14: 2039
- Baseband frequency response measurement system for optical components (E), AO 17: 651
- Beam forming mirror apparatus (P), AO 14: 1241
- Beam pathlength multiplication (T), AO 13: 679
- Boreighting a Gaussian beam on a specular target point: method using conical scan (TE), AO 15: 656
- Catadioptric system covering  $\pm 2-1/2^\circ$  at  $f/7$  (P), AO 18: 4016
- Catoptric infrared for space applications (P), AO 13: 2961
- Catoptric lens arrangement (P), AO 14: 1241
- Catoptric lens arrangement (P), AO 14: 1459
- Catoptric system for use in earth resources surveys from a satellite with five mirrors, one an aspheric corrector plate (P), AO 16: 1757
- Caustic surface of an optical system (A), JOSA 65: 1176
- Classifying biological cells (P), AO 18: 3358
- Close-up imaging of documents and displays with lens arrays (E), AO 18: 477
- Coaxial alignment of laser beams for perturbation experiments (E), AO 13: 1639
- Color copying apparatus (P), AO 17: 1474
- Complex  $f/1.9$  zoom system for a super-8 movie camera (P), AO 18: 748
- Composite four-element lens system, particularly for use with laser beams (P), AO 18: 2091
- Compound catadioptric telescopes with all spherical surfaces (T), AO 17: 1519
- Compressed copier system (P), AO 17: 1471
- Concurrent display of multiple functions (T) (L), AO 14: 1485
- Confocal paraboloids: some comments (T) (L), AO 13: 2192
- Contacting pickup optical reproduction system (P), AO 17: 2260
- Copying objective lens system (P), AO 18: 2091
- Decade of interplanetary optical designs (A), JOSA 68: 1431
- Deep sea optical viewing systems: methodologies for their analyses and synthesis (T), AO 14: 2371
- Designing systems containing diffractive elements (A), JOSA 66: 1061
- Design of Optical Systems. By G. G. Slytsarev (B). Reviewed by Hawkes, P. W., AO 15: 2292
- Diffraction analysis of segmented-window systems (A), JOSA 65: 1176
- Dioptrics and eigenvalues (TE) (L), AO 15: 1691
- Direct, quasi-telecentric, and telecentric combinations of interference filters with large astronomical Schmidt cameras (E), AO 17: 1271
- Document copier having two different magnifications (P), AO 18: 2606



- Dynamics of an image viewed through a rotating mirror (T), JOSA 69: 771
- Electronic damping of vibrations in optical structures (E), AO 18: 690
- Endoscope optical system (P), AO 18: A213
- Endoscope single-lens reflex optical system (P), AO 18: A213
- Evaluation of a segmented-annular-aperture camera (A), JOSA 65: 1175
- 30° f/1.0 flat field three mirror telescope (A), JOSA 68: 1373
- 50° Field-of-view f/0.6 catadioptric system (A), JOSA 69: 1439
- Flat field variable power rifle scope (P), AO 15: 1348
- Focusing an objective (P), AO 16: 13
- Galvanometer deflection: a precision high-speed system (E), AO 15: 1437
- Gauss type lens system (P), AO 18: 2092
- Gauss-type objective of four components and six lens elements (P), AO 18: A214
- Generalized ellipsometry based on azimuth measurements alone (T), JOSA 68: 514
- Geometrical optics field of general optical systems (T), JOSA 69: 891
- Geometrical transformations in optics (TE), JOSA 64: 1092
- Geometric optical theory of diffraction gratings (T), JOSA 69: 1530
- Handbook of integrated optoelectronic devices and systems (N), AO 18: 697
- Hemi-ellipsoidal mirror infrared reflectometer: development and operation (ET), AO 15: 940
- High speed holographic digital recorder (ET), AO 13: 841
- Holographic representation of space-variant systems: system theory (T), AO 15: 2241
- Holographic representations of space-variant systems using phase-coded reference beams (ET), AO 16: 3131
- Image contrast theory of electronic focus (T), JOSA 68: 1309
- Image stabilizing optical system (P), AO 16: 13
- Image whole horizon from 30° above it to 60° below it (P), AO 16: 2343
- Improvements in solid catadioptric objectives (A), JOSA 66: 1113
- Infrared lenses (P), AO 17: 1474
- Instrument myopia (E), JOSA 65: 1114
- Intensity redistribution (A), JOSA 69: 1456
- Introduction to Matrix Methods in Optics. By A. Gerrard and J. M. Burch (B), Reviewed by Stavroudis, Orestes N., JOSA 66: 392
- Inverse scattering approach to optical system design (A), JOSA 69: 1440
- Inverted telephoto type superwide angle lens (P), AO 18: 3966
- Isothermal optical system (P), AO 16: 2595
- Large-aperture, ultra wide angle photographic lens system (P), AO 16: 1814
- Laser beam reading of video records (T), AO 17: 2029
- Laser fusion target illumination system (ET), AO 14: 1267
- Laser printer scanning system with a parabolic mirror (ET), AO 17: 878
- Laser read-out systems for optical video disks (A), JOSA 68: 1428
- Laser start-up system for magnetic mirror fusion (E), AO 16: 1243
- Lens system for motion picture projection (P), AO 16: 13
- Limiting range of a nearly coaxial-active viewing system in water (A), JOSA 66: 1097
- Magnifier (P), AO 18: A213
- Measurement of the Stokes parameters of light (E), AO 16: 3200
- Medical x-ray photo-optical systems evaluation, Columbia, 21-23 Oct 1974 (M), Reported by Bihernan, Lucien M., AO 14: 9
- Medium magnification and objective for video disks (P), AO 18: 2092
- Microfiche layout and positioning mechanism therefor (P), AO 16: 13
- Modification of the Offner symmetrical unit-magnification three-mirror system (P), AO 18: 750
- Modular optical design applied to catadioptric systems (A), JOSA 68: 1451
- Moire optical transducer (P), AO 18: A115
- More on afocal parabolic reflectors (T) (L), AO 13: 2191
- Movable filter optical system for providing optical transmission characteristics (P), AO 17: 1472
- Nonimage forming solar concentrator for space solar arrays (A), JOSA 68: 1374
- Nonimaging optical systems—raytracing and optimization (A), JOSA 69: 1440
- Non-intermittent motion picture system (P), AO 18: 3221
- Non-photographic, digital laser image recording (P), AO 17: 1471
- Optical effects of gas flow through an optical train: an experimental determination (E), AO 18: 3984
- Optical effects of shock front on nose-mounted optics (T), AO 13: 602
- Optical evaluation of Los Alamos Antares 100-kJ CO<sub>2</sub> laser-fusion system (A), JOSA 68: 1374
- Optical gyroscope (N), AO 18: 2585
- Optical sampling transient analyzer system (E), AO 15: 1404
- Optical scanner (P), AO 17: 1471
- Optical system for extending photosensor array resolution (P), AO 17: 1472
- Optical system for light scattering experiments (E) (L), AO 18: 1707
- Optical system for the automatic Abel inversion of emission from a cylindrical volume radiator (T), JOSA 67: 44
- Optical system for the thematic mapper (A), JOSA 68: 1431
- Optical system for videotelephone pictures (P), AO 15: 2944
- Optical techniques for real-time analysis of the stability of video disks (A), JOSA 64: 1393
- Optimal optical systems: two concentric spherical mirrors (A), JOSA 65: 1176
- Optimizing the beam shape in a focused coherent optical system method (TE), AO 13: 1633
- Parabolic axicon (T) (L), AO 13: 1291
- Parfocal low-magnification microscope objective lens systems (P), AO 17: 1473
- Partially coherent image processing by laser scanning (TE), JOSA 65: 887
- Performing optical measurements in solids under variable uniaxial stress and temperature: a system (E), AO 13: 1971
- Periscopic mirror system with selectable changeable direction of viewing (P), AO 18: A214
- Phase-nulling fiber-optic laser gyro (ET), OL 4: 93
- Photon noise and atmospheric noise in active optical systems (T), JOSA 65: 551
- Precision electronically controlled optical printer for 3-D stereoreophoto mapping (E), AO 13: 2253
- Problem of ideal flux concentrators (T), JOSA 68: 531
- Ray tracing in tilted, decentered, displaced gradient-index optical systems (T), JOSA 66: 789
- Rearview periscope comprised of two concave cylindrical mirrors (E), AO 17: 1687
- Reflexicon, a new reflective optical element, and some applications: comment (T) (L), AO 13: 1764
- Reflexicon, a new reflective optical element, and some applications: reply to comment (T) (L), AO 13: 1764
- Reflecting-optics system for uniform spherical illumination (A), JOSA 64: 565
- Reflective optics for obtaining prescribed irradiative distributions from collimated sources (TE), AO 13: 1444
- Reflective optics system for uniform spherical illumination (T), AO 14: 985
- Representations of space-variant optical systems using volume holograms (TE), AO 14: 2438
- Retrofocus type wide angle objective lens (P), AO 18: A213
- Retrofocus type wide-angle photographic lens system (P), AO 18: A213
- Roll and focus apparatus (P), AO 14: 1458
- Short focal length, large aperture optical system (P), AO 15: 832
- Soft focus lens system (P), AO 18: A214
- Solar concentrator evaluation technique (A), JOSA 68: 1374
- Spatial resolution enhancement in coaxial light scattering geometries (ET) (L), AO 16: 804
- Stable iterative approach to phase retrieval from point-spread function data (A), JOSA 69: 1467
- Stationary concentrating reflector cum tracking absorber solar energy collector: optical design characteristics, AO 14: 1509
- Still more on afocal parabolic reflectors (T) (L), AO 13: 2192
- Stray light control in an optical system (P), AO 18: A213
- Sturdy inexpensive optical table (E) (L), AO 18: 753
- Tacheometer theodolite/distance measuring instrument (P), AO 18: A213
- Thin film optical couplers employing mode conversion (P), AO 13: 2440
- Three-mirror telescopes: design and optimization (T), AO 17: 2677
- Transmission of 3-D images by means of lens guides (E), AO 18: 2081
- Tri-power periscope head assembly (P), AO 17: 1472
- TV-optical feedback (A), JOSA 69: 1435
- Two-dimensional concentrators for inhomogeneous media (T), JOSA 68: 289
- Ultra-high resolution reducing lens system (P), AO 18: 2091
- Umbrella-type dynamic-focusing mirror system (E), AO 18: 386
- Unit power imaging catoptric anastigmat (P), AO 14: 1457
- Vectorial treatment of optical systems (T), JOSA 68: 1275
- Versatile flexure mount for precise positioning of optical elements (E) (L), AO 13: 737
- WALRUS optical design forms (A), JOSA 68: 1373
- Wave-front tracing in symmetrical optical systems (A), JOSA 68: 1451
- Wave propagation in optical systems (A), JOSA 64: 564
- Wide-angle ophthalmoscope (P), AO 14: 2038
- Wide angle retrofocus lens system of a large relative aperture (P), AO 18: A214
- Wideband holographic recorder (E), AO 13: 832
- Wide-field filter camera (E), AO 17: 442

## Optical testing

- See also Interferometry, Nondestructive testing, Surfaces
- Aberration generator (E), AO 14: 2476
- Absolute measurements of optical flats (A), JOSA 66: 1104
- ac moire fringe analysis (A), JOSA 67: 1365
- Analysis of interferometric data for the multiple-mirror telescope optics (A), JOSA 66: 1116
- Apparatus for determining defects in gems (P), AO 18: 3221
- Apparatus for measuring interference patterns and interferograms (P), AO 18: 3999
- Apparatus for measuring surface flatness (P), AO 15: 1359
- Application of Zernike polynomials to reduction of wave front slope data (A), JOSA 69: 1407
- Auger spectroscopic examination of MgF<sub>2</sub>-coated Al mirrors after UV irradiation (A), JOSA 65: 1215
- Automated surface contouring using phase-locked moire fringe analysis (A), JOSA 68: 1415
- Automatic photometer (P), AO 17: 1470
- Automatic target alignment for the Helios laser system (A), JOSA 68: 1426
- Baseband frequency response measurement system for optical components (E), AO 17: 651
- Beam alignment technique using linear arrays (A), JOSA 69: 1405
- Bibliography of various optical testing methods, AO 14: 1065
- Calculation of phase error in the pupil from the point-spread function (A), JOSA 67: 1364
- Camera testing by use of speckle patterns (ET), AO 13: 2026
- Cassegrain alignment using computer-derived adjustment parameters (A), JOSA 67: 1365
- Caustic coordinates in Platzeck-Gaviola test of conic mirrors (T) (L), AO 17: 18
- Collimated light acoustic-optical lateral shearing interferometer (ET) (L), AO 13: 1004
- Collimation test by double grating shearing interferometer (TE), AO 15: 1234
- Comparison of interferometric and screen test results (A), JOSA 68: 1445
- Computation of Zernike polynomials in optical testing (A), JOSA 66: 1104
- Computer generated hologram; null lens test of aspheric wavefronts (E) (L), AO 13: 2762
- Computer generated holograms for testing aspheric lenses (E), AO 15: 546
- Computer-generated holograms in testing optical surfaces (A), JOSA 64: 557
- Correcting glass-angles of a prism (E) (L), AO 16: 2019
- Correcting glass-angles of prism (errata), AO 16: 2787
- Corrections to stylus measurements of surface finish (A), JOSA 68: 1425



- Cube corner retroreflector test and analysis (ET), AO 15: 445
- Defect-detection algorithms for automatic mask inspection (A), JOSA 64: 1402
- Detecting stray mirrors in a large array of mirrors (A), JOSA 69: 1408
- Detection of geometric perturbations in optical fibers (E), AO 16: 695
- Detection of hairline cracks in textured silicon solar cells (E) (L), AO 18: 605
- Determination of the dihedral angle errors of a corner cube from its Twyman-Green interferogram (TE), JOSA 67: 467
- Determination of the precision of an interferometric test of a 1.8-m-diam paraboloidal mirror (A), JOSA 64: 1369
- Deviation prism interferometric testing (E) (L), AO 17: 7
- Deviation prisms: controlling the 90° roof-angle ridge (E) (L), AO 15: 1661
- Device for testing a lens system (P), AO 18: 3718
- Device for testing structures (P), AO 18: 3966
- Diffraction in the zonal Foucault test (E) (L), AO 16: 1782
- Digital wavefront measuring interferometer for testing optical surfaces and lenses (ET), AO 13: 2693
- Distortions by diffraction gratings (P), AO 15: 1347
- Dynamic Hartmann test (ET), AO 14: 2391
- Dynamic Hartmann test: comments (E) (L), AO 15: 599
- Eight-way classification of interferometric and interferential fringes: supplement (E) (L), AO 13: 1737
- Elliptic polarization represented by the Carter and Smith charts (T), AO 18: 4017
- Energy distribution in a scatterplate interferometer (TE), JOSA 69: 1305
- Errors in bar chart MRT test patterns (A), JOSA 66: 1104
- Evaluation of optical instruments using target detection (A), JOSA 67: 1364
- Experimental results of surface-roughness studies by means of dichromatic speckle patterns (A), JOSA 67: 1366
- Fabrication and testing of gradient-index components (A), JOSA 64: 1376
- Fast automatic lens testing for extended-field image quality (ET), AO 15: 805
- Focus errors in laser beam divergence measurements (T) (L), AO 17: 685
- Focus-position sensing using laser speckle (A), JOSA 68: 1426
- Go, no-go Ronchi template for aspheric mirrors (A), JOSA 64: 558
- Heterodyne interferometry in optical testing (A), JOSA 64: 1363
- Heterodyne profilometer for measuring surface microstructure (A), JOSA 69: 1404
- Higher-order wavefront symmetries and applications to interferometric testing (A), JOSA 64: 1369
- High-precision reflectivity measurement technique for low-loss laser mirrors (E) (L), AO 16: 19
- High-speed surface-flaw inspection (A), JOSA 65: 1211
- Holographic and shearing interferometer for routine optical testing including aspherics (A), JOSA 68: 1416
- Holographic interferometer to test optical surfaces (ET), AO 14: 2280
- Holographic lateral shear interferometer (ET), AO 15: 2695
- Holographic lens tester (A), JOSA 65: 1216
- Holographic radial shear interferometer (TE), AO 13: 2035
- Infrared point-diffraction interferometer (ET), OL 3: 118
- Interference measurement of continuous heterogeneities in optical materials (E), AO 17: 2956
- Interferometer for measuring power distribution of ophthalmic lenses (ET), AO 14: 1607
- Interferometers for the testing of high-power laser wave fronts (A), JOSA 69: 1404
- Interferometric calibration method for two-optic test systems (A), JOSA 64: 1370
- Interferometric data evaluation for large optics (A), JOSA 69: 1418
- Interferometric evaluation of diamond-turned mirrors for CO<sub>2</sub> laser fusion (A), JOSA 69: 1417
- Interferometric pairs (A), JOSA 65: 1216
- Interferometric testing, optical alignment, and system performance of a unique twelve channel 360° visual display (A), JOSA 68: 1418
- Interpretation of gain experiments at 58Å (A), JOSA 67: 1385
- Knife-edge scanning measurements of subwavelength focused light beams (ET), AO 16: 1971
- Large aperture ac interferometer for optical testing (E), AO 17: 3959
- Large-size distortion-free computer-generated holograms in photoresist (E) (L), AO 16: 2014
- Laser profiling of the edges of intraocular lenses (A), JOSA 69: 1427
- Laser-scanning inspection of bifocal lenses (A), JOSA 64: 558
- Lateral shearing interferometric technique for transparency distortion analysis (E) (L), AO 16: 2603
- Light-scattering experiments with diamond-turned surfaces (A), JOSA 65: 1216
- Liquid crystal wedge compensator for display thickness measurement (ET) (L), AO 14: 2339
- Mach-Zehnder data reduction method for refractively inhomogeneous test objects (T), AO 14: 634
- Mach-Zehnder data reduction method for refractively inhomogeneous test objects: comments (T) (L), AO 14: 2336
- Mach-Zehnder data reduction method for refractively inhomogeneous test objects: reply to comments (T) (L), AO 14: 2336
- Making and testing an  $f/0.15$  parabola (E) (L), AO 13: 1987
- Mathematical interpretation of radial shearing interferometers (T), AO 13: 1781
- Measurement and evaluation of the geometry of thin spherical shells (A), JOSA 69: 1405
- Measurement of bulk scatter using optical heterodyne detection (A), JOSA 68: 1417
- Measurement of radii of curvature using a nodal bench and He-Ne laser (A), JOSA 69: 1418
- Measurement of residual surface curvature (A), JOSA 64: 1377
- Measurement of scatter from contaminated mirrors by means of bidirectional reflectance distribution function (BRDF) (A), JOSA 68: 1426
- Measurement of spherical aberrations using a solid-state image sensor (E), AO 18: 3866
- Measurement of steep aspheric surfaces (E), AO 17: 553
- Measurement of the microtopography of optical surfaces using a scanning Fizeau interferometer (A), JOSA 64: 1369
- Measurement of the rms roughness, autocovariance function and other statistical properties of optical surfaces using a FECO scanning interferometer (E), AO 15: 2705
- Measuring focused light spots (A), JOSA 67: 1364
- Measuring the radius of curvature of soft corneal lenses (E) (L), AO 16: 1778
- Modulation transfer function measurement of TV zoom lenses: influence of distortion on the equivalence of normal and inverse conjugate techniques (T), AO 17: 2171
- Modulation transfer function measurement via diffraction shearing with optically superimposed gratings (E), AO 18: 1247
- Monte Carlo manufacturing simulation program (ZEALOT) (A), JOSA 69: 1429
- Multicolor interferometric testing (A), JOSA 67: 1365
- Multicolor interferometric testing (A), JOSA 68: 1416
- Multi-step Hindle test (A), JOSA 64: 1377
- Multistep Hindle test (E) (L), AO 13: 2476
- Noncontact optical profilometer (E), AO 14: 450
- Nonlinearity measurements on photometric devices (E), AO 18: 1360
- Null optics for testing a 1.8-m-diam paraboloid (A), JOSA 64: 1369
- Null Ronchi gratings from spot diagrams (ET) (L), AO 16: 2602
- Null Ronchi test for aspherical surfaces (TE), AO 13: 1778
- Null Ronchi test for aspherical surfaces: comment (E) (L), AO 14: 279
- Null Ronchi test for aspherical surfaces: reply to comment (E) (L), AO 14: 279
- Null test for the 2.4-m space telescope primary mirror (A), JOSA 69: 1418
- Null tests for eccentric sections of aspheric mirrors (A), JOSA 68: 1417
- Optical center of a glass corner cube: its measurement (E) (L), AO 15: 304
- Optical effects of gas flow through an optical train: an experimental determination (E), AO 18: 3984
- Optical fabrication and testing technical group discussion of large optics and manufacturing processes (A), JOSA 66: 1138
- Optical fabrication and testing workshop, San Francisco region, 14-15 Mar 1975 (M), Reported by Wallerstein, Edward Perry, AO 14: 2049
- Optical fabrication and testing workshop, Orlando, 17-18 February 1978 (M), Reported by Mohon, Neil, AO 17: 1658
- Optical fiber fault location method (E), AO 15: 1385
- Optical frequency shifter for heterodyne interferometers using multiple rotating polarization retarders (T) (L), AO 17: 3034
- Optically figuring a Schmidt-Cassegrain system (E) (L), AO 18: 608
- Optical parallelism measurement of ruby laser rods (ET), AO 13: 1379
- Optical Shop Testing. Edited by Daniel Malacara (B). Reviewed by Parks, Robert E., AO 17: 2862
- Optical test of a 40 cm lightweight uncooled mirror irradiated by a high-energy beam (A), JOSA 66: 1104
- Optical time domain reflectometer: comment (T) (L), AO 17: 1675
- Optical waveguide refractive index profiles determined from measurement of mode indices: a simple analysis (TE), AO 15: 151
- Pattern comparison by interference fringe scanning (E), AO 13: 1089
- Performance measurement techniques for simple Fourier transform lenses (ET), AO 17: 2973
- Performance of a holographic and shearing interferometer (A), JOSA 68: 1416
- Polarization of an instrument measured with partially polarized light (A), JOSA 68: 1426
- Practical aspects of ac moire-fringe interferometry (A), JOSA 64: 1369
- Procedure for null testing sections of aspheric surfaces (A), JOSA 69: 1418
- Quantitative test for concave aspheric surfaces using a Babinet compensator (ET), AO 18: 2897
- Quantitative test for concave aspheric surfaces using a Babinet compensator: comments (E) (L), AO 18: 4066
- Real-time aberration generator-compensator (A), JOSA 67: 1365
- Refractive null correctors for aspheric surfaces (R), AO 15: 3080
- Refractometry of fluids in microscopic tubes (A), JOSA 67: 1364
- Relative flatness measurement of uncoated optical flats (E), AO 14: 3082
- Roughness evaluation for thin films (E) (L), AO 18: 1486
- Scanning differential photoelectric autocollimator (P), AO 17: 2260
- Screen test for large mirrors (E), AO 13: 1773
- Sensor system for detecting wavefront distortion in a return beam of light (P), AO 18: 3341
- Setting the optimum focus of the pinhole or reticle of a collimator lens (E) (L), AO 15: 1104
- Setup and procedure for mapping changes in a large aspheric mirror (A), JOSA 68: 1417
- Sharpening the fringes in the Ronchi test. II (A), JOSA 68: 1415
- Side band Ronchi test (ET), AO 15: 2220
- Simple piezoelectric knife-edge scanner (A), JOSA 69: 1418
- Single-point diamond-turned copper mirrors: figure evaluation (E) (L), AO 15: 1656
- Smoothing techniques in spread function reconstruction (A), JOSA 68: 1426
- Stable Hartmann wavefront sensor (A), JOSA 65: 1216
- Stellar interferometer for figure sensing of orbiting astronomical telescopes (TE), AO 13: 1785
- Stress-optic coefficients of ZnSe (E), AO 14: 2432
- Superposition fringes as a measuring tool in optical testing (TE), AO 18: 2364
- Surface profile determination using a spherometer (A), JOSA 69: 1407
- Surface profile measurement and angular deflection monitoring using a scanning laser beam: a noncontact method (ET), AO 17: 3284
- Technique for defining the asphericity of a spherical surface and interferogram analysis (A), JOSA 68: 1416



- Telescope test using the point-diffraction interferometer (A), JOSA 64: 558
- Television camera for display of angular patterns from optical fibers (E) (L), AO 16: 3082
- Testing and fabrication of biaspherics (A), JOSA 69: 1419
- Testing and inspecting lens by holographic means (P), AO 18: 3757
- Testing a prism's compound reflecting angles (L), AO 14: 2791
- Testing germanium for heating absorbing inclusions (N), AO 16: 1768
- Testing glass reflecting angles of prisms (E) (L), AO 17: 1661
- Testing of aspherical lenses using side band Ronchi test (E) (L), AO 17: 17
- Testing of commercial aspheres with computer-generated holography (A), JOSA 65: 1216
- Testing of flat optical surfaces by the quantitative Foucault method (T), AO 17: 132
- Testing of nonlinear diamond-turned reflexicons (A), JOSA 69: 1418
- Testing of spherical surfaces by holographic interference (P), AO 15: 831
- Testing optical surfaces by the method of the caustic using a phase-stripe as spatial filter (TE), AO 18: 1463
- Testing the sphericity of short radii convex surfaces (E) (L), AO 13: 229
- Testing the trueneess of circular surfaces by laser speckle photography (ET) (L), AO 18: 2351
- Threaded article parameter measurement by spatial spectra analysis (TE), AO 18: 197
- Tilted-reference-beam lateral shearing interferometer utilizing carrier-frequency photography (TE), AO 14: 614
- TV and film lens testing system (N), AO 17: 3308
- Use of an ac heterodyne lateral shear interferometer with real-time wavefront correction systems (T), AO 14: 2622
- Vernier sharpness gauge for rapid camera lens evaluation (A), JOSA 68: 1417
- Viewing refractive-index profiles and small-scale inhomogeneities in glass optical fibers: some techniques (E), AO 13: 2365
- Wavefront-error evaluation by mathematical analysis of experimental Foucault-test data (E), AO 14: 2286
- Wavefront error simulator for evaluating optical testing instrumentation (ET), AO 14: 2756
- Wave-front sensor using far-field irradiance measurement (A), JOSA 69: 1468
- White light extended source shearing interferometer (ET), AO 13: 200
- White light methods in engineering metrology (A), JOSA 69: 1418
- Zernike polynomial lens sensitivity program (ZEST) (A), JOSA 69: 1429
- Zernike test. 1: Analytical aspects (T), AO 16: 205
- Zernike test. 2: Experimental aspects (E), AO 16: 214
- Zone plate interferometer (E), AO 13: 1093
- Zoom null lens (T), AO 18: 3863

## Optical transfer function

- See also Modulation transfer function
- Aberration-balancing criteria for optimization of the optical transfer function (A), JOSA 66: 1122
- Aberration generator (E), AO 14: 2476
- A posteriori method of image restoration (TE), JOSA 69: 280
- Application of phase retrieval techniques to adaptive imaging systems. II (A), JOSA 68: 1386
- Atmospheric degradation of electrooptical system performance (T), AO 17: 3915
- Atmospheric speckle (A), JOSA 66: 181
- Autocorrelation method of OTF's of centrally obscured optical systems (A), JOSA 67: 1428
- Calculation of OTF sensitivities (A), JOSA 67: 1429
- Class of optimum spatial filters (T), JOSA 65: 182
- Dependence of incoherent system response on object contrast (T), AO 13: 1839
- Influence of longitudinal vibrations on the diffraction images of bright incoherent disks (T), AO 14: 500
- Isoplanicity: the translation invariance of the atmospheric Green's function (T), JOSA 65: 1871

- New analytic method for computing the optical transfer function (A), JOSA 66: 1122
- Noise and other artifacts in OTF derived from image scanning (ET), AO 14: 513
- Optical transfer function measurements with a white light source: an interferometric technique, AO 14: 1613
- Optical transfer function of an acousto-optic heterodyning image processor (ET), OL 4: 317
- Pupil function replication in OTF synthesis (A), JOSA 67: 1423
- Pupil function replication in OTF synthesis (TE), AO 18: 44
- Resolution for a general two-bar target (T) (L), AO 15: 1911
- Results in the theory of a plane-mirror interferometer (T), JOSA 68: 1124
- Scanning and restoration of spectral data in the presence of noise (T), JOSA 64: 335
- Statistics of the optical transfer function: Correlated random amplitude and random phase effects (T), JOSA 69: 544
- Television system for the measurement of atmospheric OTF degradation (E), AO 18: 2462
- Transfer function characterization of deformable mirrors (A), JOSA 67: 1367
- Unfolding the autocorrelation function (A), JOSA 66: 1111
- Use of point spread and beam spread functions for analysis of imaging systems in water (TE), JOSA 67: 1105

## Optics

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- Impasses in applied optics (R), JOSA 64: 123
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- Paradoxa aus der Optik. By Gunter Schulz (B), Reviewed by Epstein, L. Ivan, JOSA 65: 102
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- Problems in Optics. Edited by M. Rousseau and J. P. Mathieu (B), Reviewed by Kurtz, Robert L., AO 13: 1248
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## Optics is light work

- Bright inexpensive pinhole source (E) (L), AO 17: 2469
- Cure for the dead or dying He-Ne laser (E) (L), AO 17: 847
- End messy Polaroid print coatiers (L), AO 17: 1155
- End messy Polaroid print coatiers: comment (E) (L), AO 18: 418
- Increasing effective size of holography tables (E) (L), AO 18: 418
- Inexpensive highly efficient VUV light detectors (E) (L), AO 18: 2346
- Keeping dust off optical components (E) (L), AO 18: 1471
- Ordinary paper for position determination of intense laser pulse (E) (L), AO 18: 4063
- Polishing KDP and other soft water-soluble crystals (E) (L), AO 18: 1125
- Protective coating aids polishing of water-soluble crystals (E) (L), AO 18: 4063
- Resin polishers, holders, and tools (E) (L), AO 18: 3875
- Safer way to etch glass (N), AO 17: 1845
- Sturdy inexpensive optical table (E) (L), AO 18: 753
- Visual evaluation of defects in GaAs-based solar cells (E) (L), AO 17: 2857

## Optoacoustics

See Photoacoustics



**Oxygen**

- Absolute rotational Raman cross sections for  $N_2$ ,  $O_2$ , and  $CO_2$  (TE), JOSA 64: 712
- High resolution atmospheric transmission calculations down to 28.7 km in the 200–243-nm spectral range (TE), AO 18: 964
- Infrared spectrum of atomic oxygen (A), JOSA 69: 1411
- Lifetime measurements in Q VI, O V, and O IV between 100 and 1700 Å (ET), JOSA 66: 842
- Spectra of N VI, O VII, F VII, and F VIII in the grazing-incidence region (E), JOSA 64: 699
- Time-resolved Fourier spectroscopy (ET), JOSA 65: 600
- Two-photon lidar technique for remote sensing of atomic oxygen (T), AO 18: 316

**Ozone**

- Absorption of carbon dioxide 9.4- $\mu$ m laser radiation by ozone (E), AO 13: 1438
- Actinometry, Atmospheric Optics, Ozonometry. Edited by G. P. Gushchin (B), Reviewed by Condell, W. J., Jr., AO 14: 1737
- Actinometry, Atmospheric Optics, Ozonometry. Edited by G. P. Gushchin (B), Reviewed by Plass, Gilbert N., JOSA 65: 1529
- Airborne studies of regional ozone distributions with a laser absorption spectrometer (A), JOSA 69: 1398
- Application of a  $CO_2$  differential absorption lidar system to ozone measurement in an urban area (A), JOSA 69: 1398
- Atmospheric aerosol effect on Dobson total ozone measurements: a simple approach (T) (L), AO 18: 3361
- Carbon dioxide laser absorption coefficients for determining ambient levels of  $O_3$ ,  $NH_3$ , and  $C_2H_4$  (E), AO 13: 2850
- Data inversion for spacecraft solar occultation experiments in the near IR, UV, and visible region (A), JOSA 67: 259
- Diffuse-direct ultraviolet ratios with a compact double monochromator (ET), AO 17: 827
- Efficient single-scatter model for atmospheric optical propagation (A), JOSA 68: 1357
- Extraction of total atmospheric ozone content from solar spectral irradiance data in the Huggins and Chappuis bands (A), JOSA 67: 1370
- Fragility of the earth's ozone shield and you and me (N), AO 14: 2034
- Global monitoring of stratospheric halogen compounds from a satellite using gas filter spectroscopy in the solar occultation mode (TE), AO 16: 607
- Global monitoring of stratospheric halogen compounds from a satellite using gas filter spectroscopy in the solar occultation mode (TE) (errata), AO 16: 1479
- High resolution atmospheric transmission calculations down to 28.7 km in the 200–243-nm spectral range (TE), AO 18: 964
- High sensitivity point monitoring of ozone, and high resolution spectroscopy of the  $\nu_3$  band of ozone using a tunable semiconductor diode laser (E), AO 18: 1198
- How the amount of ozone varies with height in our atmosphere (N), AO 14: 2242
- Improved accuracy of spectral aerosol optical depth measurements: Inference of total ozone (A), JOSA 67: 258
- Infrared heterodyne spectroscopy of atmospheric ozone (E) (L), AO 16: 526
- Inversion of stratospheric aerosol and gaseous constituents from spacecraft solar extinction data in the 0.38–1.0- $\mu$ m wavelength region (T), AO 18: 1404
- 9.6  $\mu$ m ozone band ( $\nu_3$ ) intensity (E) (L), JOSA 66: 860
- Off-zenith radiance computations for total ozone retrieval from space (A), JOSA 69: 1399
- Ozone absorption at 9  $\mu$ m  $CO_2$  laser wavelengths (A), JOSA 65: 1163
- Ozone estimates derived from Dobson direct sun measurements: effect of atmospheric temperature variations and scattering (T), AO 16: 613
- Ozone spectroscopy with a  $CO_2$  waveguide laser (E) (L), AO 15: 2597
- Pollution monitoring systems based on resonance absorption measurements of ozone with a "tunable"  $CO_2$  laser: some criteria (ET), AO 15: 340
- Reduction of  $O_3$  ozone in the stratosphere (N), AO 14: 2251
- Remote measurement of tropospheric ozone (E) (L), AO 18: 3363

- Remote measurements of ambient air pollutants with a bistatic laser system (E), AO 15: 2080
- Shortened version of the Umkehr method for observing the vertical distribution of ozone (T), AO 18: 3190
- Simple relationship between the UV radiation backscattered by the earth's atmosphere and the vertical ozone profile (T) (L), AO 16: 2581
- Total ozone determination by spectroradiometry in the middle ultraviolet (E), AO 18: 850
- Total ozone determination with a mobile spectroradiometer (A), JOSA 68: 1433
- Ultraviolet limit of solar radiation at the earth's surface with a photon counting monochromator (E) (L), AO 17: 683
- Ultraviolet spectrophotometer for measuring columnar atmospheric ozone from aircraft (ET), AO 17: 1649
- Vertical distribution of ozone: a new method of determination using satellite measurements (T), AO 15: 261

**Palladium**

- Resonance lines in the Ag I and Pd I isoelectronic sequences from Cs to Sm (A), JOSA 67: 1383
- Resonance lines in the Ag I and Pd I isoelectronic sequences: Cs IX through Sm XVI and Cs X through Nd XV (E), JOSA 67: 1518

**Partial coherence**

- See Coherence

**Particles**

- See also Aerosols

- Absorption efficiencies for large spherical particles: a new approximation (T) (L), AO 17: 3861
- Aerosol-size spectrum analysis using relaxation-time measurement (A), JOSA 64: 1399
- Aerosol sizing by laser Doppler relaxation-time measurement (A), JOSA 66: 382
- Aerosol sizing by optical means (A), JOSA 66: 382
- Air pollution light for naked eye detection of individual submicron sized particles (P), AO 13: 976
- Analysis of suspended solids by single-particle scattering (E), AO 18: 1653
- Angular distribution of fluorescence from small particles with plane and evanescent wave excitations (A), JOSA 68: 1452
- Angular distribution of fluorescence from small particles (ET) (L), AO 17: 1978
- Angular distribution of fluorescence from monodispersed particles (E) (L), AO 17: 1980
- Apparatus for measuring aerosol particles (P), AO 14: 2550
- Application of in-line holography to drop size measurement in dense fuel sprays (E) (L), AO 17: 328
- Carbon aerosol visibility vs particle size distribution (T), AO 17: 2612
- Characterization of small particles by laser speckle (A), JOSA 68: 1443
- Complete scattering matrix measurements using an electro-optical-modulator-based instrument (A), JOSA 66: 1134
- Counting particles by size with an optical—digital training method (T), AO 16: 1670
- Counting quasicircular particles by an optical—digital method (TE), AO 15: 2246
- Critical angle scattering by a bubble: physical-optics approximation and observations (TE), JOSA 69: 1205
- Detection of airborne particles using optical extinction measurements (ET), AO 13: 1913
- Detection of the vacuole of yeast cells in suspension by transmittance radiometry (ET), AO 18: 3615
- Determination of diffractor size and shape from diffracted light (T), AO 17: 2162
- Diffraction patterns of nonoverlapping circular grains (T) (L), JOSA 67: 700
- Dynamics of structural changes in biological particles from rapid light scattering measurements (ET), AO 18: 303
- Effects of asphericity on single particle scattering (T), AO 17: 3152
- Electromagnetic scattering from active objects (T) (L), AO 17: 3337
- Estimation of particle size distribution parameters with forward-scattering techniques (TE), AO 18: 4173
- Experimental determinations of Mueller scattering matrices for nonspherical particles (ET), AO 17: 2700
- Extinction-sedimentation inversion technique for measuring size distribution of artificial fogs (ET), AO 17: 374
- Fast-moving suspended particles: measurements of their size and velocity (E), AO 16: 596
- Fine particles symposium, University of Minnesota, 28–30 May 1975 (M), Reported by Jaenicke, R., AO 14: 2784
- Flow tracing fidelity of scattering aerosol in laser Doppler velocimetry (ET), AO 14: 894
- Fluorescent scattering by anisotropic molecules embedded in small particles (TE) (L), AO 18: 1484
- Fog measurements for optical transmission prediction (A), JOSA 68: 1358
- Holographic particle velocity measurement in the Fraunhofer plane (ET), AO 18: 623
- Image disector for size and position of statically suspended particles (ET), AO 18: 3602
- Intensity distribution properties of a Gaussian laser beam focus (T), AO 17: 3496
- Internal field resonance structure: implications for optical absorption and scattering by microscopic particles (T), JOSA 68: 1242
- Interpretation of induced color in polychromatic glasses, JOSA 69: 1514
- Inversion of optical scattering and spectral extinction measurements to recover aerosol size spectra (T), AO 18: 988
- Keeping dust off optical components (E) (L), AO 18: 1471
- Laser anemometer signals: visibility characteristics and application to particle sizing (TE), AO 16: 677
- Laser anemometer signals: visibility characteristics and application to particle sizing (errata), AO 16: 2358
- Laser diffraction study of diatoms (A), JOSA 66: 1135
- Laser Doppler particle measuring system using forced vibration synchronized detection and power spectral analysis (ET), AO 17: 230
- Laser Doppler particle measuring system using nonsinusoidal forced vibration and bispectral analysis (ET), AO 17: 667
- Laser heterodyne apparatus for measuring small angle scattering from particles (ET), AO 18: 3018
- Laser spectrophotometer for measuring differential cross sections of biological particles (E), AO 15: 672
- Laser technique for simultaneous particle-size and -velocity measurements (T), OL 3: 19
- Light scattering by a pair of conjugate nonspherical particles (T), JOSA 69: 1550
- Light scattering by a spheroidal particle (T), AO 14: 29
- Light scattering by a spheroidal particle (T) (errata), AO 15: 2028
- Light scattering by inhomogeneous particles (T) (L), AO 18: 3888
- Light scattering by particles in laser Doppler velocimeters using Mie theory (T) (L), AO 15: 2951
- Light scattering by small particles in an absorbing medium (T), JOSA 67: 561
- Light scattering by structured spheres (T), JOSA 68: 592
- Light scattering from biological cells: dependence of backscatter radiation on membrane thickness and refractive index (T) (L), AO 18: 585
- Light scattering measurements of particle distributions (TE), AO 15: 1616
- Light scattering properties of spheroidal particles (T), AO 18: 712
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- Nonspherical extinction and absorption efficiencies (T), AO 17: 3159
- Observation of large particles with a laser interferometer (ET), AO 13: 610
- Opacity of black smoke: calculated variation with particle size (A), JOSA 68: 1358
- Opacity of black smoke: calculated variation with particle size and refractive index (T), AO 18: 1399



Optical properties of core-mantle particles (scattering, polarization, efficiency factors) (A), JOSA 67: 257

Optical scattering per unit mass of single particles (T) (L), AO 14: 269

Optimization of response functions of light scattering instruments for size evaluation of aerosol particles (TE), AO 18: 705

Optimum processing of Fourier irradiance data in particle-size analysis (A), JOSA 65: 1177

Particle diagnosis by focused light beams (A), JOSA 66: 1135

Particle-distribution analysis using light scattering (A), JOSA 65: 1210

Particle size analysis using computer-synthesized holograms (E), AO 13: 245

Particle-size analysis using pattern recognition applied to the Fraunhofer-diffracted light (A), JOSA 64: 544

Particle size measuring device in real time for dense particulate systems (E), AO 17: 631

Particle sizing by forward lobe scattered intensity-ratio technique: errors introduced by applying diffraction theory in the Mie regime (T), AO 17: 1644

Particle sizing using laser interferometry (TE), AO 16: 1861

Particle velocity distribution measurement by holography (ET), AO 18: 3156

Photographic coronagraph, Skylab particulate experiment T025 (E), AO 16: 993

Picosecond light scattering measurements of cataract microstructure (E), AO 17: 3177

Polarization of the metallic grains of a two-dimensional film in interaction with the electric field on an electromagnetic wave (TE), JOSA 68: 1019

Polarization-dependent light scattering for sizing submicron particles (A), JOSA 69: 1451

Polydisperse-particle-size-distribution function determined from intensity profile of angularly scattered light (T), AO 18: 3494

Practical limitations of transmission holography in particle analysis (A), JOSA 66: 384

Raman and fluorescent scattering by molecules embedded in small particles (A), JOSA 68: 1452

Raman and fluorescent scattering by molecules embedded in spheres with radii up to several multiples of the wavelength (T), AO 18: 1172

Rayleigh-Debye scattering with focused laser beams (T), AO 17: 1637

Real-time particle sizing: increasing the capability of the instantaneous scattered intensity-ratio technique (T) (L), AO 14: 1767

Remote sensing of particle size and refractive index by varying the wavelength (T), AO 15: 2105

Remote sensing of snow albedo for determination of dustfall (E), AO 18: 3574

Resonances in electromagnetic scattering by objects with negative absorption (T), AO 18: 1180

Response calculations for light-scattering aerosol particle counters (T), AO 14: 734

Sample space for particle size and velocity measuring interferometers (T), AO 15: 1984

Scattering by glass microballons and multitone interferometry (A), JOSA 66: 1135

Scattering of light by dielectric particles: a statistical theory (T), JOSA 69: 1554

Scattering properties of irregular dielectric and absorbing particles (A), JOSA 67: 257

Single-particle light-scattering measurements with a photodiode array (E), OL 1: 223

Single particle scattering with focused laser beams (TE), AO 16: 1104

Small-object counting and classification by scattered light (A), JOSA 64: 1399

Spectral properties of random arrays of grains (TE) (L), JOSA 68: 1781

Spectral properties of random arrays of grains: comment (T) (L), JOSA 68: 1782

Spectrophone for *in situ* measurement of gaseous/particulate absorption (A), JOSA 66: 1071

Statistical inference of particle populations from scattered light (T), JOSA 69: 1684

Sulfuric acid in KBr pellet spectroscopy (E) (L), AO 18: 2353

System for determining parameters of a particle by radiant energy scattering techniques (P), AO 14: A52

Three-wavelength light transmission technique to measure smoke particle size and concentration (ET), AO 18: 1763

Transmittance: an index to shape changes of blood platelets (T) (L), AO 14: 2324

Uncertainties in particle-size distributions measured with ratiotype single-particle counters (A), JOSA 66: 382

Visual detection of electrostatically stored ions (A), JOSA 68: 623

Worldwide data on reduced visibility due to airborne dust (E) (L), JOSA 67: 1689

## Patents

AO 13: 912, AO 13: A26, AO 14: A26, AO 14: A52, AO 14: A77, AO 14: 1240, AO 14: 1456, AO 14: 1746, AO 14: 1756, AO 14: 2038, AO 14: 2549, AO 14: A104, AO 15: 8, AO 15: 325, AO 15: 582, AO 15: 830, AO 15: 1345, AO 15: 1358, AO 15: 1669, AO 15: 1887, AO 15: 2037, AO 15: 2296, AO 15: 2608, AO 16: 11, AO 16: 279, AO 16: 538, AO 16: 798, AO 16: 1127, AO 16: 1524, AO 16: 1757, AO 16: 1813, AO 16: 2026, AO 16: 2341, AO 16: 2788, AO 16: 3246, AO 17: 326, AO 17: 681, AO 17: 995, AO 17: 1468, AO 17: 1666, AO 17: 1666, AO 17: 1985, AO 17: 2259, AO 17: 2665, AO 17: 3507, AO 17: A154, AO 18: 259, AO 18: 747, AO 18: 1286, AO 18: 2091, AO 18: 3554, AO 18: 3718, AO 18: 3891, AO 18: A113, AO 18: A170, AO 18: A206, AO 18: A224

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AO 13: 2A26, AO 13: 5A26, AO 13: 10A26, AO 16: 2592, AO 17: 8, AO 17: 3507, AO 18: 2585, AO 18: A254

## Pattern recognition

See also Character recognition

Acoustic signal (P), AO 16: 1758

Applying optical pattern-recognition techniques to aerial photographic analysis and stereographic mapping problems (A), JOSA 66: 387

Background discrimination (P), AO 18: 3872

Bipolar incoherent optical pattern recognition by carrier encoding (TE), AO 18: 660

Bivariate distribution, correlation, and transformation properties of two-color infrared systems (T), AO 13: 1238

Classifying biological cells (P), AO 18: 3358

Coherent optical processor fingerprint identification apparatus (P), AO 15: 1669

Coherent spatial filtering with simulated input (E), AO 18: 1659

Color-coded characters (P), AO 16: 3246

Contrast effect on imagery power spectra (E), AO 18: 2147

Diffuser for producing texture masks for image processing (TE), AO 13: 648

Direct matched-filtering of pen recordings using sodium light (ET) (L), AO 14: 2337

Electronically monitoring a field of view (P), AO 13: 976

Electronic compensation (P), AO 16: 1757

Electrooptical symbol emitting and recognition device (P), AO 16: 3246

Fourier transform differences and averaged similarities in diatoms (E), AO 18: 1663

Fraunhofer diffraction at straight-edged apertures (TE), JOSA 69: 765

Geometric scanner (P), AO 15: 1670

Handwriting synthesis and classification by means of space-variant transform and Karhunen-Loeve analysis (TE), JOSA 65: 1331

Hybrid image processing in pattern recognition (A), JOSA 69: 1431

Hybrid optical-digital radiography-based system for lung disease detection (E), AO 16: 2637

IC quality control (P), AO 18: 3554

Image analysis via the general theory of moments (A), JOSA 69: 1468

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Optical pattern recognition on nonvertical imagery (TE), AO 16: 1955

Optical processor fingerprint identification apparatus (P), AO 15: 1669

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Randomly serrated edges, lines, and apertures (A), JOSA 67: 1416

Reading aid for the blind (P), AO 15: 832

Real-time optical matched filtering of moonlight-illuminated optics (A), JOSA 66: 387

Real-time recognition of three-dimensional microscopic objects (A), JOSA 67: 1382

Rotating wedge spatial filter (E) (L), AO 17: 163

Rotational matched spatial filter for biological pattern recognition (A), JOSA 69: 1451

Screening of cervical cytological samples using coherent optical processing. Part 1 (ET), AO 17: 21

Screening of cervical cytological samples using coherent optical processing. Part 2 (TE), AO 17: 35

Screening of cervical cytological samples using coherent optical processing. Part 3 (ET), AO 17: 43

Visual display of unrecognizable characters in optical character recognition machines (P), AO 15: 583

X-ray measurement of laser fusion targets using least-squares fitting (E), AO 18: 4116

## Periscopes

Observation periscope which can be combined with a laser device (P), AO 15: 10

Rear view optical train and dove prism (P), AO 13: 10A26

View expanding and directing optical system (P), AO 14: A52

## Phase conjugation

See also Adaptive optics

Comparison of conventional and nonlinear phase conjugation (A), JOSA 69: 1466

Continuous wave generation of time-reversed waves in barium titanate (A), JOSA 68: 1367

Continuous wave parametric wave-front conjugation and reproduction in sodium vapor by evanescent pump fields (A), JOSA 68: 1622

Direct wave-front conjugation by degenerate four-wave mixing (A), JOSA 68: 1367

Effects of atomic motion on wavefront conjugation by resonantly enhanced degenerate four-wave mixing (T), OL 4: 208

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Generation of a phase-conjugate wave in the forward direction with thin Na-vapor cells (ET), OL 4: 239

High-efficiency pulsed 10.6- $\mu\text{m}$  phase-conjugate reflection via degenerate four-wave mixing (E), OL 3: 82

High-power-laser adaptive phased arrays (ET), AO 18: 4106



Image reconstruction via phase-conjugated stimulated Brillouin scattering (A), JOSA 68: 1627

Large-signal theory of nonlinear conjugate wave backscatterings (A), JOSA 68: 1628

Line shape and amplitude of Doppler-free spectra obtained by degenerate four-wave mixing in Na vapor (A), JOSA 69: 1475

Narrow optical bandpass filter via nearly degenerate four-wave mixing (T), OL 3: 212

Phase conjugate optics and real time holography (A), JOSA 69: 1475

Phase-conjugate reflection at 10.6  $\mu\text{m}$  via intracavity degenerate four-wave mixing in germanium (A), JOSA 68: 1367

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See also Absorption, Spectrophones, Spectroscopy

Differential Helmholtz resonator as an optoacoustic detector (E), AO 18: 3959

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Laser optoacoustic detection of explosive vapors (E), AO 15: 1506

Limitation to optoacoustic detection of atmospheric gases by water vapor absorption (T) (L), AO 13: 1005

Optimal optoacoustic detector design (TR), AO 14: 1960

Optimization of resonant cell design for optoacoustic gas spectroscopy (H-type) (ET), AO 17: 1110

Optoacoustic detection of ethylene in the presence of interfering gases (E), AO 18: 2267

Optoacoustic detection of  $\text{NO}_2$  using a pulsed dye laser (E), AO 16: 2972

Optoacoustic detection using Stark modulation (E), AO 18: 2602

Optoacoustic measurement of optical absorption in acetylene smoke (TE), JOSA 69: 1699

Optoacoustic measurements of energy absorption in  $\text{CO}_2$  TEA-laser-excited  $\text{SF}_6$  at 293 and 145 K (E), OL 1: 25

Optoacoustic pulses in a flame (E), OL 1: 118

Opto-acoustic technique for measuring the optical absorption coefficient in solids (A), JOSA 65: 1165

Photoacoustical Raman spectroscopy (A), JOSA 68: 1433

Photoacoustic detection of localized absorption regions (E) (L), AO 18: 2354

Photoacoustic determination of small optical absorption coefficients: extended theory (T), AO 18: 1363

Photoacoustic investigation of urban aerosol particles (E) (L), AO 18: 2528

Photoacoustic measurement of absolute quantum efficiencies in solids (E), OL 3: 181

Photoacoustic measurements of surface and bulk absorption in HF/DF laser window materials (ET), AO 16: 2919

Photoacoustic methods for measuring surface and bulk absorption coefficients in highly transparent materials: theory of a gas cell (T), AO 15: 2405

Photoacoustic spectroscopy: a measurement technique for low absorption coefficients (T), AO 16: 2834

Photo-acoustic spectroscopy: a new tool for the investigation of solids (A), JOSA 64: 1392

Photoacoustic spectroscopy in several gases at  $\text{CO}_2$  laser wavelengths (E) (L), AO 18: 3541

Photoacoustic spectroscopy with condensed samples (E), AO 15: 2658

Photoacoustic technique for determining optical absorption coefficients in solids (E), AO 16: 101

Photoacoustic technique for measuring surface absorption (A), JOSA 66: 1105

Pure rotational stimulated Raman photoacoustic spectroscopy (E), OL 4: 395

Resonant optoacoustic cells for trace gas analysis (TE), JOSA 68: 1257

Resonant photoacoustic cells constructed from UHV hardware (E) (L), AO 17: 3348

## Photocathodes

Channel electron multipliers: detection efficiencies with opaque  $\text{MgF}_2$  photocathodes at XUV wavelengths (E), AO 15: 1218

Fabrication and performance of intrinsic germanium photodiodes (E) (L), AO 16: 800

Field-enhancement of photoemission from cesium telluride (ET), AO 17: 1789

Image transfer properties of proximity focused image tubes (E), AO 16: 2127

Mesh-based semitransparent photocathodes (E), AO 14: 1667

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Responsivity of photocathodes (T) (L), AO 13: 16

Typical photoefficiency between 20-250 eV of windowless XUV photodiodes with tungsten and anodized aluminum oxide photocathodes (E) (L), AO 17: 1489

Ultraviolet response of InGaAsP photocathodes (E) (L), AO 16: 800

Ultraviolet response of semitransparent multialkali photocathodes (E) (L), AO 15: 1196

## Photochromatism

Alterable photodichroic treated glasses (A), JOSA 68: 1396

Dynamics of photochromic conversion in optically thick samples: theory (T), AO 15: 821

Impurity induced photochromic behavior in bismuth silicon oxide ( $\text{Bi}_{12}\text{SiO}_{20}$ ) (A), JOSA 68: 1396

Lightguiding in photochromic glasses (E), AO 14: 580

Limitations on holographic storage capacity of photochromic and photorefractive media (T), AO 18: 57

Photochromic salicylideneaniline as storage medium for interferometry and high speed recording (E), AO 13: 861

Preparation of photochromic gradient lenses (P), AO 18: 3958

Preparation of photochromic gradient lenses (P), AO 18: 3958

Technique for measuring refractive index changes in photochromic materials (TE), AO 14: 1100

Transmittance of photochromic glass at environmental extremes (E) (L), AO 18: 595

Volume holograms in photochromic materials (T), AO 14: 2456

## Photoconductivity

Cadmium selenide and aluminum oxide (P), AO 15: 2947

Far-IR photoconductivity in silicon doped with shallow donor impurities (A), JOSA 67: 253

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Thermal recovery processes in laser irradiated  $\text{HgCdTe}$  (PC) detectors (TE), AO 14: 2499

## Photodetectors

Array type charge extraction device for infra-red detection (P), AO 17: 1474

Characterization of silicon photodetectors based on an electrically calibrated pyroelectric radiometer (A), JOSA 65: 1179

Effective quantum efficiency of photodetectors for photon energies much larger than threshold (L), AO 15: 305

Filters for photodetectors (P), AO 18: 3966

Future prospects for large-scale photovoltaic conversion (A), JOSA 64: 1361

High-speed III-V avalanche photodetectors (A), JOSA 68: 632

Improved detection of ultraviolet radiation with gas-filled phototubes through photoionization of excited atoms (ET), AO 16: 2470

Measurement of absolute intensity of radiation in XUV by a rare-gas photoelectron counter (E), AO 16: 3115

Optical system for extending photosensor array resolution (P), AO 17: 1472

Passivation of mercury cadmium telluride semiconductor surfaces by anodic oxidation (P), AO 17: 1470

Photodetector packaging assembly (P), AO 13: 1976

Photoelectric counting measurements as a test for the existence of photons (T), JOSA 67: 1101

Photoelectron counting with an image intensifier tube and a self-scanned photodiode array (E), AO 15: 3111

Phototube selection guide (N), AO 18: 247

P-I-N laser detectors: their dependence on wavelength and temperature (T), AO 18: 3510

Position-sensitive photodetectors: key characteristics and systems implications (A), JOSA 66: 385

Quantum counter photodetectors: a new design (E), AO 15: 2259

Quantum efficiency of a channel electron multiplier in the far ultraviolet (E) (L), AO 14: 2823

Schottky barrier infrared detector having ultrathin metal layer (P), AO 13: 1976

Self-scanned photodiode array: high performance operation in high dispersion astronomical spectrophotometry (E), AO 17: 574

Silicon monolithic infrared detector array (ET), AO 16: 1525

Ultraviolet radiation detector (P), AO 18: 261

## Photodiodes

Color measuring spectrophotometer (P), AO 18: 3882

Experimental verification of the inertial model of atmospheric turbulence from solar limb motion (E), JOSA 68: 1056

Gallium arsenide electroabsorption avalanche photodiode waveguide detectors (ET), AO 17: 1568

Image pickup device (P), AO 13: 2735

Integrated optical silicon photodiode array (TE), AO 15: 1389

Ion implanted photodiode detectors in epitaxial ( $\text{Ga}_{1-x}\text{In}_x$ )As (E), AO 14: 2905

Low-noise extended-frequency response with cooled silicon photodiodes (ET), AO 14: 2720

Measurement of low level photodiode noise currents (E), AO 13: 2209

Multidecade linearity measurements on Si photodiodes (E), AO 18: 1555

Photodiode preamplifier systems: low-noise positive-feedback (E), AO 16: 385

Planar germanium photodiodes (E), AO 14: 1948

Quantum efficiency of the p-n junction in silicon as an absolute radiometric standard (T) (L), AO 18: 760

Saturation of silicon photodiodes at high modulation frequency (E), AO 17: 1103

Self-scanned photodiode array: high performance operation in high dispersion astronomical spectrophotometry (E), AO 17: 574

Silicon avalanche photodiode receiver for optical-fiber transmission systems (A), JOSA 66: 391

Single-particle light-scattering measurements with a photodiode array (E), OL 1: 223

Solar magnetograph employing integrated diode arrays (E), AO 15: 40

Spectrum analyzing system with photodiode array (P), AO 18: 3999

Typical photoefficiency between 20-250 eV of windowless XUV photodiodes with tungsten and anodized aluminum oxide photocathodes (E) (L), AO 17: 1489

Ultraviolet effect on the responsivity of silicon photodiodes (A), JOSA 66: 1080

Ultraviolet enhanced responsivity of silicon photodiodes: an investigation (ET), AO 16: 1539

Ultraviolet enhanced responsivity of silicon photodiodes: an investigation (ET), AO 16: 1539

Ultraviolet enhanced responsivity of silicon photodiodes: an investigation (ET), AO 16: 1539

Ultraviolet enhanced responsivity of silicon photodiodes: an investigation (ET), AO 16: 1539

Ultraviolet enhanced responsivity of silicon photodiodes: an investigation (ET), AO 16: 1539

Ultraviolet enhanced responsivity of silicon photodiodes: an investigation (ET), AO 16: 1539

Ultraviolet enhanced responsivity of silicon photodiodes: an investigation (ET), AO 16: 1539

Ultraviolet enhanced responsivity of silicon photodiodes: an investigation (ET), AO 16: 1539

Ultraviolet enhanced responsivity of silicon photodiodes: an investigation (ET), AO 16: 1539

Ultraviolet enhanced responsivity of silicon photodiodes: an investigation (ET), AO 16: 1539

Ultraviolet enhanced responsivity of silicon photodiodes: an investigation (ET), AO 16: 1539

Ultraviolet enhanced responsivity of silicon photodiodes: an investigation (ET), AO 16: 1539

Ultraviolet enhanced responsivity of silicon photodiodes: an investigation (ET), AO 16: 1539

Ultraviolet enhanced responsivity of silicon photodiodes: an investigation (ET), AO 16: 1539

Ultraviolet enhanced responsivity of silicon photodiodes: an investigation (ET), AO 16: 1539



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## Photoemission

- Forward photoemission from thin carbon foils (E) (L), AO 18: 3732
- Measurement of energy and angular distributions of extreme ultraviolet photoelectrons (E), AO 13: 438

## Photography

- See also Cameras, Electrophotography, Lenses, Photomicrography
- Advances in bleaching methods for photographically recorded holograms (A), JOSA 64: 563
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- Analysis of wave-front aberrations caused by deformation of hologram media (T), JOSA 64: 677
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- Biocontamination and particulate detection system by color separation (P), AO 18: 3872
- Bulk diffraction effects in silver halide (sensitized) gelatin (A), JOSA 68: 1396
- Classification of the T-E curve (TE), AO 17: 2450
- Color correcting coatings for photographic objectives (ET) (L), AO 18: 1879
- Color-film spectral sensitivities by Hadamard spectrosensitometry (T), JOSA 66: 1355
- Color printer using light flash tubes (P), AO 13: 2961
- Compact varifocal lens assembly (P), AO 15: 835
- Comparison between photographic and photoelectric measurements of the solar aureole almucantar radiance (E) (L), AO 17: 1977
- Computation of light transmitted by a thick grating, for application to contact printing (T), JOSA 64: 1623
- Conservation and recovery of photographic raw materials, SPSE international summer symposium, Bloomington, 24-27 Jun 1975 (M), Reported by Marzwell, Neville I., AO 14: 2321
- Contact-printing-loss mechanisms (A), JOSA 65: 1171
- Control of film characteristics by modulating intensity and space (A), JOSA 68: 1407
- Control of film characteristics by modulating intensity and space (T), JOSA 68: 1118
- Copying lens for microfilm photography (TE), AO 13: 2067
- Curve analysis method in color printing (P), AO 13: 2959
- Damage threshold variation with spot size at 10.6  $\mu\text{m}$  for Kalvar and Polaroid films (E) (L), AO 18: 424
- Detection of low-contrast images in film-grain noise (TE), AO 17: 2883
- Determination of the off-axis illumination distribution for a lens-spectral filter combination (E), AO 18: 131
- Development effects and the MTF of high-resolution photographic materials for holography (E), JOSA 64: 862
- Device to superpose a movie and a fixed transparency on another film (P), AO 18: 3937
- Diffraction efficiency of specular multiplexed holograms recorded on Kodak 649F plates (E), AO 18: 3652
- Diffusion model for the adjacency effect in viscous development (TE), JOSA 64: 667
- Draper, John William, 1811-1882 photographic scientist. AO 15: 1726
- Dye removal from holographic films (E) (L), AO 13: 1994

- Dye sensitization of silver halide photographic systems (A), JOSA 65: 1171
- Dye sensitization, past and future, SPSE Vogel Centennial, Windham College, 27-30 Aug 1973 (M), Reported by Tani, Tadaaki, AO 13: 6
- Dye-transfer process (P), AO 13: 976
- Effect of inter-particle absorption on the optical density of turbid media (A), JOSA 64: 549
- Effect of magnification change in laser speckle photography (TE), JOSA 68: 1742
- Effect of multiple scattering on the point-spread functions and modulation-transfer functions of the aerosol atmosphere in the problems of space-meteorological photography (T), OL 4: 158
- Effect of nonuniform irradiance, and irradiance fluctuations, upon the response of photographic film (ET), JOSA 65: 1495
- Effect of surround on perceived saturation (E), JOSA 64: 1328
- Effect of the threshold detection property of photographic films on hologram linearity and efficiency (T), JOSA 66: 558
- Electronic photographic copying machine (P), AO 16: 798
- End messy Polaroid print coaters (L), AO 17: 1155
- End messy Polaroid print coaters: comment (E) (L), AO 18: 418
- Environmental stability of holographic recording materials (A), JOSA 64: 563
- Estimation of images degraded by film-grain noise (TE), AO 17: 1228
- Evaluation of deformation tolerance of the hologram medium (T), JOSA 64: 928
- Evaporated films of arsenic trisulfide: dependence of optical properties on light exposure and heat cycling (E), JOSA 68: 32
- Experience with Schumann-type XUV film on Skylab (E), AO 16: 887
- Exploring the earth's atmosphere by photography from Skylab (ET), AO 16: 983
- Exposure control system (P), AO 15: 2947
- Far-infrared (10  $\mu\text{m}$ ) photography (A), JOSA 67: 1420
- Fiber optics microform recorder and viewer (P), AO 18: 3255
- Field-widened pinhole camera (E) (L), AO 18: 2913
- Film calibration method for analysis of laser light energy distributions (E) (L), AO 16: 2028
- Film-grain noise in holography (T), JOSA 69: 278
- Film nonlinearities in speckle photography (A), JOSA 68: 1406
- Focused-image hologram memory (P), AO 15: 1359
- Graphic design of pinhole cameras (T) (L), AO 18: 262
- High resolving power copying lens of unity magnification (P), AO 15: 831
- High spatial resolution schlieren photography (E), AO 16: 473
- High speed photography, 11th international, Congress, University of London, 15-21 Sep 1974 (M), Reported by Courtney-Pratt, J. S., AO 14: 557
- Holographic characteristics of 10E75 plates for single- and multiple-exposure holograms (ET), AO 14: 2260
- Holographic recording in photographic emulsions (A), JOSA 64: 1388
- How many surprises developed during the Kodak case (N), AO 17: 2265
- Hypersensitization by baking of certain Kodak photographic plates for use in high-resolution Raman spectroscopy (E), AO 15: 423
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- Image restoration by discrete convolution of minimal length (TE), JOSA 64: 682
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- Imaging Systems: Mechanisms and Applications of Established and New Photosensitive Processes. By Kurt I. Jacobson and Ralph E. Jacobson (B), Reviewed by Tulagin, V., AO 16: 2338
- Influence of the reciprocity law for the Kodak 649F plate used as detector in multiplexing holography (A), JOSA 66: 1083

- Infrared (10- $\mu\text{m}$ ) photography on wax films (E) (L), AO 18: 3076
- Infrared photography at 5  $\mu\text{m}$  and 10  $\mu\text{m}$  (E) (L), AO 15: 1350
- Instant-picture camera (P), AO 18: A224
- Instant spectroscopy in the visible, ultraviolet, and vacuum ultraviolet with Polaroid film (E) (L), AO 14: 2821
- Intermittent characteristic curves for Kodak 649F plates at 514.5 nm (E), AO 18: 3644
- Interpretative Techniques for Microstructural Analysis. Edited by James L. McCall and P. M. French (B), Reviewed by Silverman, Shirleigh, AO 16: 2600
- Invitation to apply for the 1980 John Eggert prize (N), AO 18: 2363
- Journal of Applied Photographic Engineering (N), AO 14: 2390
- Large-aperture high-speed optical power spectrum analyzer (A), JOSA 68: 1377
- Large-aperture ratio retrofocus lens system (P), AO 15: 831
- Latent-imaging photopolymer systems (A), JOSA 66: 1083
- Lensless real-image camera (E), AO 16: 2706
- Light-sensitive photographic material having exceptionally high resolving power (P), AO 13: 976
- Linear recording condition in multirecording telecine system (T), AO 13: 2040
- Measurement of stray radiance in the high altitude observatory's Skylab coronagraph (E), AO 16: 931
- Microdensitometry using backscattered electrons (A), JOSA 69: 1434
- Microfilm by laser transfer printing (A), JOSA 66: 381
- Mirror-lens objective (P), AO 15: 835
- Mirror reflex viewfinder (P), AO 15: 1358
- Model for reciprocity failure in photographic materials and its asymptotic behavior at low and high intensities (T), JOSA 68: 972
- Modulation transfer function parameters for all photographic films listed in Kodak pamphlet P-49 (E) (L), AO 15: 1130
- Motion picture cassette (P), AO 14: 1456
- Motion-picture system (P), AO 14: 1240
- Movable filter optical system for providing optical transmission characteristics (P), AO 17: 1472
- Multicolor additive screens whose filter units are formed of development-diffusible dyes (P), AO 13: 4A26
- Multiple-sine-slit microdensitometer and MTF evaluation for high resolution emulsions. 1: Theory and mode of operation (ET), AO 13: 2280
- Multiple-sine-slit microdensitometer and MTF evaluation for high resolution emulsions. 2: MTF data and other recording parameters of high resolution emulsions for holography (E), AO 13: 2288
- Nanosecond photography at 10.6  $\mu\text{m}$  using silver halide film (E), AO 18: 2422
- New analytic expressions of photographic characteristic curves (TE) (L), AO 14: 271
- New contrast index for TE curve (A), JOSA 67: 1434
- Noise and coherence in optical image processing. I. The Callier effect and its influence on image contrast (T), JOSA 68: 559
- Noise-cheating image enhancement (TE), JOSA 65: 1347
- Nonlinear detection and estimation of images degraded by film-grain noise (A), JOSA 66: 167
- Nonlinear filtering using inherent film nonlinearity (A), JOSA 66: 1131
- Objective of the extended Gauss type (P), AO 15: 832
- Optimal estimation in signal-dependent noise (T), JOSA 68: 1665
- Optimum techniques for suppressing film-grain noise (A), JOSA 64: 1401
- Perceived saturation in complex stimuli viewed in light and dark surrounds (E), JOSA 67: 657
- Phosphor converter camera for near-infrared laser-beam profile recording (E), AO 18: 2136
- Photocopying machine (P), AO 16: 799
- Photographic contrast control (P), AO 13: 4A26
- Photographic film and the Skylab environment (E), AO 16: 1002
- Photographic-film response shaping by halftone screen for optical processing of medical x-ray images (A), JOSA 68: 1436
- Photographic image intensification by autoradiography (E), AO 15: 2860



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- Photographic shutters: better pictures with a reconsideration of shutter efficiency (TE), AO 16: 1914
- Photography from Skylab (A), JOSA 64: 1372
- Photomicrography 1976 contest winners (N), AO 16: 247
- Portable microfiche reading instrument (P), AO 18: 3358
- Problem of defocusing in speckle photography, its connection to hologram interferometry, and its solutions (T), JOSA 66: 1267
- Proceedings of the 4th International Congress on Reprography and Information 1975, Hannover, Germany BRD, 13-17 Apr 1975 (N), AO 15: 939
- Producing photographs on microfiche (P), AO 18: 3241
- Producing photographs on microform (P), AO 18: 3255
- Radiance calibration of the high altitude observatory white-light coronagraph on Skylab (E), AO 16: 926
- Random-dot parameters for real, monodisperse photographic emulsions (A), JOSA 64: 1401
- Random quasiperiodic halftone process (TE), JOSA 66: 909
- Reciprocity failure in Kodak HIE film exposed to ruby-laser pulses (E), JOSA 65: 1489
- Restoration of a smeared photographic image by incoherent optical processing (T), AO 17: 3571
- Safelight for Agfa 10E75 and 8E75 plates (L), AO 17: 1846
- Silicon vidicon system for measuring laser intensity profiles (E), AO 17: 3938
- Single-emulsion phase and amplitude transparency (A), JOSA 64: 563
- Small retrofocus type super wide-angle objective lens system (P), AO 15: 832
- Soft focus lens system (P), AO 18: A214
- SPSE Handbook of Photographic Science and Engineering. Edited by Woodlief Thomas, Jr. (B). Reviewed by Williams, John R., AO 14: 791
- Statistical spatial filtering: application to aerial photographs (ET), AO 17: 3395
- Stellar magnitude determination from photographs by computer (A), JOSA 68: 1376
- Synthesis of average film transmission functions (TE), JOSA 68: 1113
- System for processing strip of photographic material (P), AO 13: 4A26
- Techniques for optimum information extraction in multispectral photography (A), JOSA 65: 1172
- Telephoto lens system having small overall length (P), AO 15: 832
- Theory of optical wedges as flux modulators (T), JOSA 66: 1350
- Theory of optical wedges as flux modulators (T) (errata), JOSA 67: 1695
- Three-dimensional imager (E), AO 16: 774
- Three-dimensional photography using incoherent light (P), AO 18: A224
- Three element objective lens with aspheres on rear surfaces of first and second elements (P), AO 15: 835
- Three element projection lens (P), AO 15: 835
- Time-resolved infrared spectral photography (A), JOSA 69: 372
- Time-resolved infrared spectral photography (E), OL 4: 103
- Transparent electrophotographic films for optical data storage applications (E), AO 16: 1642
- Twin-prism separator for retinal stereophotography (E) (L), AO 15: 29
- Uniformity of film development resulting from different processing techniques (E), AO 15: 1276
- Variable magnification lens system (P), AO 15: 832
- Variable magnification zoom lens (P), AO 15: 832
- Vulnerability of speckle photography to lens aberrations (E), JOSA 67: 1587
- White light pseudocolor encoder (A), JOSA 68: 1415
- Wide angle photographic lens (P), AO 15: 832
- Wide-field schlieren system (P), AO 17: A164
- X-ray calibration of RAR 2490 film for application to laser plasma experiments (E), AO 16: 393
- Zoom lens system also capable of ultra-closeup photography (P), AO 17: 1471
- ### Photoionization
- Effect of continuum configuration interaction on the position of  $sp^6$  in neutral chlorine and other halogens (T), JOSA 64: 1474
- Electron energy spectrum in laser-induced multiphoton ionization of atoms (E), AO 15: 2378
- Near-threshold photoionization of xenon metastable atoms (E), JOSA 65: 628
- ### Photolithography
- See also Printing
- Construction of photolithographic phase gratings using the Fourier image effect (E), AO 14: 522
- Drawn pitch threads as masks for microfabrication (E) (L), AO 13: 1757
- Holographic evaluation of resolution in amorphous chalcogenide inorganic photoresists (ET), AO 18: 1753
- Image evaluation of the light-enhanced vaporization photolithographic process in  $As_2S_3$  thin films (E), OL 2: 51
- Optical measurement of the IC photomask pattern area (ET), AO 18: 2159
- Photographic nucleonics: a record of many lost opportunities in the history of science (R), AO 17: 1683
- Theoretical modeling of the simultaneous exposure and development (SED) process of a positive photoresist (TE), AO 16: 1918
- ### Photometers
- Absolute calibration of auroral photometers and ground-based measurements in the 3200-7500-Å spectral region (ET), AO 13: 1196
- Automated multiwavelength sunphotometer and its use in aerosol/climatic studies (A), JOSA 68: 1358
- Automatic photometer (P), AO 17: 1470
- Chemical light meter and method of measuring light (P), AO 15: 584
- Defocused uniaxial photometer with aspheric zone (P), AO 18: A213
- Economical multispectral sun photometer for measurements of aerosol extinction from 0.44  $\mu$ m to 1.6  $\mu$ m and precipitable water (E) (L), AO 13: 1732
- Extreme ultraviolet photometer for observations of helium in interplanetary space (E), AO 16: 756
- Improving the accuracy of Jarrell-Ash microphotometers (E), AO 13: 2236
- Instrument for measuring angular intensity distributions of light sources within a few milliseconds (E), AO 13: 173
- Microscope having a photometer (P), AO 14: 2550
- Photoelectronic precision logarithmic light meter (E), AO 17: 138
- Photometer calibration error using extended standard sources (ET) (L), AO 15: 600
- Photometer calibration problem for extended astronomical sources: comments (ET) (L), AO 15: 2620
- Photometer for detection of lithium release in daytime (E) (L), AO 18: 420
- Photometric instruments (P), AO 14: 1241
- Quasi-monochromatic calibration source for the wavelength range from 0.22  $\mu$ m to 7.0  $\mu$ m (E), AO 13: 197
- Rocket-borne baffled photometer: design and calibration (E), AO 15: 437
- Self-equalizing industrial system (P), AO 16: 279
- Ten-color Gegenschein—zodiacal light photometer (E), AO 16: 978
- Two beam system (P), AO 16: 280
- Two-point fluorophotometer for the human ocular fundus (E), AO 14: 2691
- ### Photometry
- Absolute methods for reflection measurements, report (N), AO 18: 4123
- Absorption of focused light by spherical plasmas (T): comment (L), JOSA 69: 1186
- Analysis of rotationally symmetric reflectors for illuminating systems (T), JOSA 64: 55
- Approximate theory of the photometric integrating sphere (A), JOSA 64: 547
- Automatic fluorescence microphotometer using an image dissector tube (E), AO 18: 2950
- Automatic focusing device also capable of photometry (P), AO 14: 1043
- Averaging spheres without target (E), AO 14: 1649
- Balloon-borne infrared telescope for absolute surface photometry of the night sky (E), AO 16: 3125
- Brightness exponent for the periphery in the Bloch region (E) (L), JOSA 68: 140
- Calculating the reflectance map (T), AO 18: 1770
- Channel electron multipliers as secondary standard detectors at EUV wavelengths (E), AO 13: 1417
- Color vision in the peripheral retina. I. Spectral sensitivity (E), JOSA 67: 195
- Construction, calibration, and application of a compact spectrophotometer for EUV (300-2500-Å) plasma diagnostics (E), AO 18: 1209
- Conversion by reflection of line-source radiation into an arbitrary irradiance pattern (A), JOSA 64: 1357
- Current definitions of reflectance (T), JOSA 65: 1129
- Determination of polarization in optical instruments and its metrological implications (ET), AO 13: 2228
- Determination of the off-axis illumination distribution for a lens-spectral filter combination (E), AO 18: 131
- Direct reading for concentration (P), AO 13: 2177
- Effect of blur and overlap on brightness matching (ET), JOSA 64: 717
- Effects of luminance and stimulus distance on accommodation and visual resolution (E), JOSA 66: 138
- Efficient averaging spheres for visible and ultraviolet wavelengths (ET), AO 14: 1940
- Filter glasses for photometric application (ET), AO 14: 1017
- Handbook of Optics. Edited by Walter G. Driscoll and William Vaughan (B). Reviewed by Wright, W. D. AO 18: 416
- Integrating-sphere measurements for quasi-specular samples (A), JOSA 64: 547
- Integration over cylindrical luminous volumes using a calibrated piston source (E), AO 15: 2825
- Inverse fourth power photometric calibrator (P), AO 18: 3221
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- Luminance-brightness comparisons of LED alpha-numeric sources at suprathreshold levels (E), JOSA 68: 949
- Luminosity, throughput, or etendue? (R), AO 13: 704
- Luminous-efficiency functions determined by heterochromatic brightness matching (E) (L), JOSA 65: 466
- Measuring head (P), AO 18: 261
- Metameric white samples for testing the relative UV content of light sources and of natural daylight (E), AO 18: 1067
- Nonlinearity measurements on photometric devices (E), AO 18: 1360
- Optical Design of Reflectors. William B. Elmer (B). Reviewed by Kingslake, Rudolf, JOSA 68: 552
- Optical measurement of the IC photomask pattern area (ET), AO 18: 2159
- Phase effects in flicker photometry (A), JOSA 64: 1385
- Photometer calibration problem for extended astronomical sources (E) (L), AO 14: 1491
- Photometric properties of an unidentified bright object seen off the coast of New Zealand (E) (L), AO 18: 2527
- Photometric properties of an unidentified bright object seen off the coast of New Zealand: comments (E) (L), AO 18: 3889
- Photometry of luminaries for street lighting, CIE report (N), JOSA 64: 738
- Problems with heterochromatic photometry (A), JOSA 64: 1374
- Quantum efficiency independence of the time integrated emission from a fluorescent molecule (TE), AO 15: 3135
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- Rayleigh: interpretation of the unit in terms of column emission rate or apparent radiance expressed in SI units (T), AO 15: 1966
- Rayleigh, the unit for light radiance (T), AO 13: 2160
- Reflectors for obtaining prescribed illumination distributions: I. Point sources (A), JOSA 64: 1357
- Reflectors for obtaining prescribed illumination distributions: II. Line sources (A), JOSA 64: 1357
- Relations of photometry. Part 2 (errata), AO 13: 745
- Report, Photometry of Floodlights (N), AO 18: 1692
- Responsivity of photocathodes (T) (L), AO 13: 16
- Retroreflectance measurements of photometric standards and coatings (A), JOSA 65: 1211
- Retroreflectance properties of photometric standards with polarized laser radiation (A), JOSA 69: 1415
- Road Lighting Lantern and Installation Data—Photometrics, Classification and Performance Report by CIE (N), JOSA 68: 557
- Silicon photodiode as a detector in the rocket-borne photometry of the near infrared airglow (E), AO 15: 2902
- Status of detector response transfer capabilities and implications regarding accurate photometry (A), JOSA 68: 1441
- URSULA: a twin-beam multiband computer-controlled photometer for astronomical applications (E), AO 17: 435
- Vacuum ultraviolet absolute radiometry utilizing total blackbody radiation (E), AO 15: 440
- Whiteness formulas: a selection (T), AO 18: 1073
- Whiteness perception: individual differences and common trends (E), AO 18: 2963

## Photomicrography

- See also Microscopy
- Camera brochure (N), AO 13: 139
- Multispectral imaging and photomicrography using tunable acousto-optic filters (A), JOSA 65: 1172

## Photomultipliers

- Channel electron multipliers: detection efficiencies with opaque  $\text{MgF}_2$  photocathodes at XUV wavelengths (E), AO 15: 1218
- Light guide to photomultiplier coupler (TE) (L), AO 13: 1006
- Magnetic electron multipliers: efficiency changes (E), AO 14: 1645
- Photomultiplier sensitivity variation with angle of incidence on the photocathode (ET), AO 15: 910
- Photomultiplier window materials under electron irradiation: fluorescence and phosphorescence (E), AO 14: 2104
- Rapidly gated crossed-field photomultiplier (E) (L), AO 13: 2002
- Simple device for photomultiplier cooling (E) (L), AO 13: 1554

## Photon counting

- Dead-time-modified photon statistics and their relationship to the optical power spectrum (A), JOSA 68: 1421
- Degeneracy of light and the optimum accuracy of photoelectric measurements (T), JOSA 64: 1598
- Detection of 1-of- $M$  orthogonal signals: asymptotic equivalence of likelihood ratio and multiband models (T), OL 3: 22
- Electronic stabilization of scanning interferometers (TE), AO 15: 929
- Equivalence of threshold detection with and without dead time (T) (L), AO 18: 3886
- Fast low-cost digital lock-in (E), AO 16: 1163
- Methode d'échantillonnage des fonctions déterministes en spectroscopie: application a un spectrometre multicanal par comptage photonique (T), AO 13: 581
- Methode d'échantillonnage des fonctions déterministes en spectroscopie: application a un spectrometre multicanal par comptage photonique (errata), AO 13: 1739
- ✓ Modified-triggered photocounting and its application to optical superheterodyne spectrum analysis (T), AO 18: 3962

- Multiplex advantage in the detection of optical images in the photon noise limit (TE), AO 13: 158
- Observation of dead-time-modified photocounting distributions for modulated laser radiation (E), JOSA 68: 1338
- One-dimensional photon-counting detector array for use at EUV and soft x-ray wavelengths (E), AO 14: 1632
- ✓ Optical superheterodyne spectrum analyzer with a triggered photon counting method (T) (L), AO 18: 2094
- Photocounting distributions for exponentially decaying sources (T), OL 4: 146
- Photocounting distributions with variable dead time (T) (L), AO 14: 2819
- Photoelectron counting with an image intensifier tube and a self-scanned photodiode array (E), AO 15: 3111
- ✓ Photon correlation spectroscopy of light scattered from microscopic regions (ET) (L), AO 18: 588
- Photon counting and energy detection in vision (A), JOSA 67: 1426
- Photon-counting measurements of optical-field irradiance fluctuations in a turbulent atmosphere (A), JOSA 65: 1218
- Photon-counting polarizing radiometer (E), AO 13: 497
- Photon counting processor for laser velocimetry (TE), AO 16: 1157
- Scaling in photocount experiments (A), JOSA 67: 1367
- Self-scanned anode array with a microchannel plate electron multiplier: the SSANACON (E), AO 16: 1533
- ✓ Signal-to-noise ratio in photocounting images of rough objects in partially coherent light (T), AO 15: 2268
- Single electron recording by self-scanned diode arrays (E), AO 14: 691
- ✓ Spectral analysis and cross-correlation techniques for photon counting measurements on fluid flows (TE), AO 14: 778
- Spectral interval, photoelectric effect, and variance (T) (L), AO 13: 1740
- Statistical properties of counting distributions for intensity-modulated sources (TE), JOSA 69: 539
- ✓ Statistics of photoelectric pulses for Gaussian-Lorentzian light (TE), AO 17: 1006
- Statistics of stellar speckle patterns (E), AO 17: 3779
- Sub-Poissonian photon statistics in resonance fluorescence (T), OL 4: 205
- "Test for the nonexistence of photons" and "photoelectric counting measurements as a test for the existence of photons" (T) (L), JOSA 69: 1309
- Ultraviolet limit of solar radiation at the earth's surface with a photon counting monochromator (E) (L), AO 17: 683

## Photons

- Estimation of optical field mean intensities from photocount correlations (ET), AO 13: 2171
- New nomenclature for photon wavenumber (L), AO 13: 1537
- Photoelectric counting measurements as a test for the existence of photons (T), JOSA 67: 1101
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- Photon Correlation and Light Beating Spectroscopy. Edited by H. Z. Cummins and E. R. Pike (B), Reviewed by Fleury, P. A., AO 14: 789
- Photon emission in resonance fluorescence: an example of sub-Poissonian statistics (A), JOSA 69: 1467
- Photon occupation numbers in black body radiation (T) (L), JOSA 69: 1038
- Photon's Hamiltonian in various media (A), JOSA 64: 1405
- Photon's spatial derivatives (A), JOSA 64: 1405
- Radiometry of phototherapy (A), JOSA 64: 536
- Scope of photobiology (A), JOSA 64: 533
- Test for the nonexistence of photons (T), JOSA 66: 1421
- Theory of Polarization Phenomena. B. A. Robson (B), Reviewed by Howard, John N., JOSA 68: 146
- Transmission measurements of multiple photon absorption in  $\text{SF}_6$  (E), OL 1: 28

## Photopolymers

- Determination of refractive index changes in photosensitive polymer films by an optical waveguide technique (E) (L), AO 14: 560
- Fiber optic sheet formation by selective photopolymerization (E), AO 17: 646
- Index and surface simultaneous modulation in negative photoresist films (E), JOSA 67: 1644
- Index and surface simultaneous modulation in negative photoresist films (E), JOSA 67: 1651
- Latent-imaging photopolymer systems (A), JOSA 66: 1083
- Latent-imaging photopolymer systems (E), AO 17: 566
- Photopolymer conference, third: photopolymers—principles processes and materials, Ellenville, 24-26 Oct 1973 (M), Reported by Bowden, Murrae J., AO 13: 456
- Photopolymer material for holography (E), AO 14: 593
- Roughness evaluation for thin films (E) (L), AO 18: 1486

## Photoreceptors

- Chemistry and structure of photoreceptor membranes (A), JOSA 64: 1379
- Functional and chemical relations in photoreceptor membranes (A), JOSA 64: 1379
- Interaction of rhodopsin with membrane phospholipids (A), JOSA 64: 1379
- Membrane dynamics in vertebrate photoreceptors (A), JOSA 64: 1378

## Photoresists

- Blazed and high line density holographic gratings produced by use of optical guided waves (A), JOSA 66: 1114
- Characteristics of a photoresist hologram and its replica (E), AO 13: 1327
- Characteristics of a photoresist hologram and its replica (E) (errata), AO 13: 2190
- Characteristics of relief phase holograms recorded in photoresists (ET), AO 13: 129
- Construction of photolithographic phase gratings using the Fourier image effect (E), AO 14: 522
- Contact printing method utilizing heated photoresist adhesive property for hologram copying (E) (L), AO 18: 3073
- Control of pit geometry on video disks (ET), AO 18: 3198
- Fabrication of thin periodic structures in photoresist: experimental results (A), JOSA 65: 1223
- Fabrication of thin periodic structures in photoresist: a model (E), AO 15: 1071
- Focused laser lithographic system (E), AO 17: 1069
- Holographic evaluation of resolution in amorphous chalcogenide inorganic photoresists (ET), AO 18: 1753
- Holography with optical guided waves (A), JOSA 66: 1062
- Index and surface simultaneous modulation in negative photoresist films (E), JOSA 67: 1644
- Large-size distortion-free computer-generated holograms in photoresist (E) (L), AO 16: 2014
- Linearity and enhanced sensitivity of the Shipley AZ-1350B photoresist (E), AO 16: 1633
- Mathematical model for negative photoresist behavior (T), JOSA 67: 92
- Metallized photoresist surface gratings for integrated optics (A), JOSA 67: 1393
- Optical fiber vacuum chuck (E) (L), AO 14: 816
- Photofabricated blazed x-ray diffraction gratings (E) (L), AO 15: 2618
- Photoresist thin films used in geometrical and integrated optics (A), JOSA 66: 163
- Piecewise interferometric generation of precision gratings (A), JOSA 66: 1115
- Production of semiconductor modules by a photo-resist technique with holographic projection of etching patterns (P), AO 13: 7A26
- Quantitative evaluation of photoresist patterns in the 1- $\mu\text{m}$  range (TE), AO 14: 931
- Schmidt plate produced in photoresist (A), JOSA 64: 544
- Sensitization of dichromated-poly(vinyl alcohol) to visible laser wavelengths (E) (L), AO 16: 2614



- Simultaneous exposure and development of photoresist materials: an analytical model (TE) (L), AO 16: 2612
- Spectral sensitivity and linearity of Shipley AZ-1350J photoresist (A), JOSA 64: 1394
- Spectral sensitivity and linearity of Shipley AZ-1350J photoresist (E) (L), AO 14: 818
- Spectral sensitivity improvement of a commercial negative photoresist: Kodak microresist 747 (E) (L), AO 18: 1135
- Surface-plasma-wave holography in dielectric and photoresist layers (A), JOSA 64: 563
- Theoretical modeling of the simultaneous exposure and development (SED) process of a positive photoresist (TE), AO 16: 1918
- Thin periodic structures in photoresist: fabrication and experimental evaluation (E), AO 15: 2126

## Physics

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- Applied Physical Techniques. By R. C. Stanley (B), Reviewed by Winefordner, J. D., AO 14: 2350
- Applied Physical Techniques. By R. C. Stanley (B), Reviewed by Taylor, J. H., JOSA 65: 1385
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- Brownian Motion and Spin Relaxation. By R. Lenk (B), Reviewed by Woessner, D. E., AO 18: 414
- Compton Effect: Turning Point in Physics. By Roger H. Stuewer (B), Reviewed by Green, J. H. S., AO 15: 286
- Dictionary of Thermodynamics. By A. M. James (B), Reviewed by Green, J. H. S., AO 16: 1119
- Directory of physics & astronomy staff members 1977-1978 (N), AO 17: 1578
- Editor's page (N), JOSA 66: 192
- Electronic Structure of Noble Metals and Polariton-Mediated Light Scattering. By B. Lengeler and B. Bendow (B), Reviewed by Falicov, L. M., AO 17: 3853
- Excitons at High Density. Edited by H. H. Haken and S. Nikitine (B), Reviewed by Garstens, M. A., AO 14: 2310
- Exhibit, physics in 1922 (N), AO 13: 975
- Experimental evidence directly supporting the existence of gravitational waves (N), AO 18: A52
- Fields and Particles: An Introduction to Electromagnetic Wave Phenomena and Quantum Physics. By Francis Bitter and Heinrich A. Medicus (B), Reviewed by Titz, Milos, AO 13: 2958
- Flying Circus of Physics. By Jearl Walker (B), Reviewed by Howard, John N., AO 16: A26
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- Laser Physics. By Murray Sargent, III, Marlan O. Scully, and Willis E. Lamb, Jr. (B), Reviewed by Sinclair, Douglas C., JOSA 65: 972
- Laws of physics okay maybe (N), AO 18: A60
- Magnetism and magnetic materials, 20th annual conference, San Francisco, 3-6 Dec 1974 (M), Reported by Hughes, G. F., AO 14: 554
- Matrices and Tensors in Physics. By A. W. Joshi (B), Reviewed by Stavroudis, Orestes N., JOSA 67: 851
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- Physics. By Paul A. Tipler (B), Reviewed by Claus, Albert C., JOSA 67: 710
- Physics in Perspective, Volume 1. Physics Survey Committee, NRC (B), Reviewed by Green, J. H. S., AO 13: 7A18
- Physics of Atmospheres. by John T. Houghton (B), Reviewed by McDaniel, Earl W., AO 17: 846
- Physics of Atoms and Molecules. An Introduction to the Structure of Matter. By U. Fano and L. Fano (B), Reviewed by Williams, Dudley, JOSA 64: 734
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- Psychophysics, Method and Theory. By George A. Gescheider (B), Reviewed by Blick, Dennis W., JOSA 67: 985
- Public interest physicists needed (N), AO 13: 3A14
- Quantum physics archives available at AIP's Niels Bohr Library (N), AO 13: 1012
- Quantum Statistics in Optics and Solid-State Physics. By R. Graham and F. Haake (B), Reviewed by Glass, S. J., AO 15: 2291
- Reaction Dynamics. By F. S. Levin and H. Feshbach (B), Reviewed by Haigh, J. G. B., AO 13: 1724
- Recent Advances in Optical Physics; Proceedings of 1975-ICO-10 Prague. Edited by Bedrich Havelka and Jan Blabka (B), Reviewed by Harris, Franklin S., Jr., AO 16: 2778
- Recommended physical constants (N), JOSA 64: 1351
- Roster of women in physics, supplement (N), JOSA 64: 260

- Semiconductor Physics. By K. Seeger (B), Reviewed by Bendow, Bernard, AO 13: 8A18
- Semiconductor Physics. By K. Seeger (B), Reviewed by Losee, David L., JOSA 64: 1279
- Sensory Processes: The New Psychophysics. By Lawrence E. Marks (B), Reviewed by Brown, John Lott, JOSA 65: 101
- Solitons in Actions. Edited by Karl Lonngren and Alwyn Scott (B), Reviewed by Welford, Walter T., AO 18: 3374
- Structure and Collisions of Ions and Atoms. Topics in Current Physics, Volume 5. Edited by I. A. Sellin (B), Reviewed by Berry, H. Gordon, JOSA 69: 1047
- Theory of Polarization Phenomena. By B. A. Robson (B), Reviewed by Claus, Albert C., AO 14: 2799
- Two physicists look at congress from the inside out (A), JOSA 64: 523

## Picosecond phenomena

- See Pulses
- Broadly tunable picosecond infrared source (E), OL 4: 325
- Concentration dependence of picosecond molecular reorientation (A), JOSA 69: 1480
- Diffusion and scattering of a picosecond pulse in a dense scattering medium (A), JOSA 69: 1467
- Direct demonstration of distortionless picosecond-pulse propagation in kilometer-length optical fibers (E), OL 4: 297
- Dual-wavelength independently tunable picosecond laser source (A), JOSA 69: 1463
- Picosecond infrared-continuum generation by three-photon parametric amplification in LiNbO<sub>3</sub> (ET), OL 4: 357

## Pioneer

- See also Space entries
- Infrared radiometer for the Pioneer 10 and 11 missions to Jupiter (E), AO 13: 2623

## Planets

- See also Space optics
- Changing weather patterns detected on Neptune (N), AO 16: 1641
- Exploration of the planets with a camera (A), JOSA 69: 1461
- Illustrated History of the Martians (A), JOSA 68: 1393
- Infrared radiometer for the Pioneer Venus orbiter. 1: Instrument description (E), AO 18: 3893
- Optical constants of liquid methane in the infrared (E), JOSA 68: 186
- Polarization and scattering characteristics in the atmospheres of earth, Venus, and Jupiter (TE), JOSA 69: 1051
- Polarization and scattering characteristics in the atmospheres of earth, Venus, and Jupiter (TE), JOSA 69: 1191
- Scientific Results of the Viking Project (B), Reviewed by Howard, John N., AO 17: 499
- Viking infrared thermal mapper (errata), AO 17: 2132
- Viking infrared thermal mapper (E), AO 17: 1243

## Plasmas

- Abel inversion applied to plasma spectroscopy: a new interactive method (T), AO 17: 3750
- Abnormal glow discharge detection of visible radiation (ET), AO 15: 1610
- Absorption in laser-produced plasma experiments: a personal view (ET,R), AO 18: 3555
- Absorption spectroscopy using an opto-galvanic effect in plasmas (A), JOSA 67: 1417
- Air breakdown in a radial-mode focusing element (TE), AO 13: 104
- Anomalous dispersion of surface plasma oscillations (TE) (L), JOSA 68: 1147
- Anomalous interaction of high-intensity laser beams with plasmas (A), JOSA 68: 658
- Axicon lenses to produce very long plasmas for lasers (A), JOSA 68: 1389
- Beam deviation method as a diagnostic tool for the plasma focus (ET), AO 17: 1275
- Calorimeter for laser beams and plasma diagnostics (A), JOSA 68: 547
- Characteristics of an opto-galvanic effect in cesium and other gas discharge plasmas (E), JOSA 68: 352



- Classification of Be I-like and B I-like iron and vanadium spectra from laser-produced plasmas (TE), JOSA 68: 48
- Closure of pinholes under intense laser radiation (E), AO 16: 2328
- Coherent far IR radiation from a line plasma (A), JOSA 67: 1425
- Cold-electron temperature measurements in ELMO by excitation rate ratios of vacuum ultraviolet transitions (E) (L), AO 13: 2003
- Construction, calibration, and application of a compact spectrophotometer for EUV (300-2500-Å) plasma diagnostics (E), AO 18: 1209
- Degenerate four-wave mixing in plasmas (T), OL 4: 363
- Diffraction limitations for plasma electron density measurements with schlieren methods (T), AO 14: 2537
- Direct observation of population inversion between  $Al^{+11}$  levels in a laser-produced plasma (A), JOSA 68: 551
- Electron density measurement in the HCN laser using Faraday mode splitting technique (E), AO 13: 968
- Evaporographic and pyroelectric image recording for two-dimensional plasma interferometry in the far infrared (E), JOSA 67: 975
- Extreme ultraviolet and x-ray spectroscopy of an inverted laser-produced aluminum plasma (A), JOSA 69: 1410
- Field gradient force as a dominant effect in high-intensity laser-plasma interaction (A), JOSA 68: 661
- Gas discharge response to light: dependence of linearity on space charge for optogalvanic and excited-state photoionization signals (ET), AO 18: 3513
- Holography with standing surface-plasma waves (A), JOSA 64: 257
- Hydrogen plasma diagnostics by multiphoton optogalvanic spectroscopy (A), JOSA 68: 1445
- Ignition and maintenance of cw plasma in air with cw CO<sub>2</sub> laser radiation (A), JOSA 64: 1356
- Interferometric probing of laser produced plasmas (T) (L), AO 15: 1126
- Interferometry and reconstruction of strongly refracting asymmetric-refractive-index fields (T), OL 4: 311
- Interferometry of strongly refracting axisymmetric phase objects (T), AO 14: 1601
- Interferometry using subnanosecond pulses from TEA nitrogen lasers (E), AO 14: 2250
- Inversion of interferometric data from cylindrically symmetric, refractionless plasmas (T), JOSA 69: 927
- Laser-induced striations in a hydrogen-discharge plasma (E), OL 4: 4
- Laser initiated spark development in an air gap (E), AO 14: 2225
- Laser Interaction and Related Plasma Phenomena. Edited by Helmut J. Schwarz and Heinrich Hora (B), Reviewed by Waynant, Ronald W., JOSA 66: 509
- Laser Interaction and Related Plasma Phenomena, Volumes 3A and 3B. Helmut J. Schwarz and Heinrich Hora, Editors, JOSA 66: 870
- Laser interaction based on resonance saturation (LIBORS): an alternative to inverse bremsstrahlung for coupling laser energy into a plasma (T), AO 18: 1824
- Laser Plasmas and Nuclear Energy. By Heinrich Hora (B), Reviewed by Coffey, Timothy, AO 15: 1107
- Laser-produced plasma as a source of focused vacuum-ultraviolet continuum radiation (E), OL 4: 283
- Lasers optically pumped by laser-produced plasma (P), AO 15: 834
- Light-plasma interaction studies with high-power glass laser (E), JOSA 67: 717
- L-series satellite spectra in Ti XII and Fe XVI (E), JOSA 69: 1133
- Magneto-optical switch for synchronization of CO<sub>2</sub> and red laser beams (A), JOSA 68: 1389
- Mean wavelength and spectral width of transition arrays in XUV atomic spectra (TE) (L), JOSA 68: 1136
- Modeling emission spectra from CO<sub>2</sub> laser produced plasmas (A), JOSA 68: 659
- Modulated submillimeter laser interferometer system for plasma density measurements (E), AO 15: 2645
- Multichannel HCN interferometer for electron density profile measurements of tokamak plasmas (E), JOSA 67: 964
- Multichannel Thomson scattering apparatus (E), AO 17: 192
- Multichannel Thomson scattering system for the tokamak TFR based on two-detector spectrum analyzers (E), AO 18: 4124
- Multiple-source plasma-overlap laser (P), AO 15: 334
- Nanosecond CO<sub>2</sub> single-beam target irradiation (A), JOSA 68: 544
- New continua for absorption spectroscopy from 40 to 2000 Å (E), OL 2: 72
- New line classifications and energy levels in the triplet system of Xe VII (E) (L), JOSA 69: 1728
- Numerical study of a CO<sub>2</sub> laser beam focused on a theta-pinch plasma in the axial direction (TE), AO 16: 1975
- Observation of parametric instabilities using picosecond spectroscopy and generation of anomalous high-energy picosecond x-ray pulse from laser-produced plasma (A), JOSA 68: 660
- Optical diagnosis of radiation pressure effects in laser-produced plasmas (A), JOSA 68: 660
- Optical diagnostics of the Scyllac CTR device: a case study (A), JOSA 65: 1198
- Optical measurements of energy transport in laser plasmas (A), JOSA 69: 1408
- Optical properties of a metal sphere with a diffuse surface (T), JOSA 66: 449
- Optics in plasmas: a perspective (A), JOSA 65: 1197
- Opto-galvanic spectroscopy in a uranium hollow cathode discharge (E), JOSA 69: 738
- Photoionization of excited atoms by low intensity light: experimental test of the effective cross section (ET), AO 17: 3933
- Photon echoes in plasmas: collisional relaxation in helium on  $2^3S_1-3^3P_{012}$  (ET), OL 3: 170
- Plasma development in the accelerator of a 2-kJ focus discharge (E), AO 18: 2258
- Plasma development in the accelerator of a 2-kJ focus discharge: addendum (E) (L), AO 18: 3733
- Plasma diagnostics by spectroscopic means (A), JOSA 66: 1060
- Plasma diagnostic using high-resolution spectroscopic techniques (T), JOSA 67: 726
- Plasma effects in the HCN laser (E), AO 16: 1197
- Plasma flow and fast particles in a hypervelocity accelerator: a color presentation (E), AO 14: 2542
- Plasmas and Laser Light. By T. P. Hughes (B), Reviewed by Sadowski, Walter L., AO 16: 1117
- Polarization studies of far-IR radiation from a line-focus plasma (A), JOSA 68: 1389
- Principles of Laser Plasmas. Edited by George Bekefi (B), Reviewed by Manes, Kenneth R., JOSA 68: 1014
- Proposed method of measuring the current distribution in a tokamak plasma (E), AO 13: 1134
- Recent advances in laser-produced plasma lasers (A), JOSA 68: 1623
- Recombination lasers in CO<sub>2</sub> laser-produced plasmas of Cd and Pb (A), JOSA 68: 1394
- Reconstruction of spherically symmetric objects from slit-imaged emission: application to spatially resolved spectroscopy (TE), OL 3: 54
- Relativistic self-focusing of laser radiation in plasmas: theory (T), JOSA 65: 882
- Satellite spectra from laser-produced plasmas of Be, B, C, N, and O in He-like and Li-like configurations (E), JOSA 67: 1033
- Short-wavelength laser calculations for electron pumping in carbonlike and heliumlike ions (T), JOSA 67: 480
- Simultaneous electron density and ion temperature measurements of a moderately dense plasma using Doppler and Stark broadened He II lines (E) (L), AO 17: 1481
- Spectral Line Broadening By Plasmas. By Hans R. Griem (B), Reviewed by Dufty, James W., AO 15: 2605
- Spectra of alkali metal vapor and noble gas flashtubes (E), JOSA 68: 62
- Spectra of highly ionized Cr, Fe, Co, and Ni emitted from laser produced plasma (A), JOSA 68: 1389
- Spectroscopic diagnostics of the solar plasma (A), JOSA 66: 1060
- Spectroscopy of Gas Discharge Plasmas. Edited by S. E. Frish (B), Reviewed by Uscinski, B. J., AO 18: 1672
- Spectrum of back-scattered 10-μm light from laser-induced plasmas (A), JOSA 64: 535
- $2s^2 2p^{k+1} 2s 2p^{k+1}$  transitions in the F I to Be I isoelectronic sequences of chromium, iron, and nickel from tokamak-produced plasmas (E), JOSA 69: 1652
- Stigmatic observations of laser-produced plasmas with a grazing-incidence spectrograph (E), OL 4: 187
- Stimulated Brillouin scattering from underdense plasmas (A), JOSA 67: 1409
- Striated filamentary sparks produced by a CO<sub>2</sub> TEA laser (E), OL 4: 369
- Submillimeter-wave diagnostics of tokamak plasmas (A), JOSA 65: 1197
- Theoretical calculation of spectra of highly ionized atoms (A), JOSA 66: 1060
- Theoretical Problems in the Spectroscopy and Gas-Dynamics of Lasers. Edited by N. G. Basov (B), Reviewed by Walther, H., AO 17: 3514
- Theory of diffraction efficiency and anomalies of shallow metal gratings of finite conductivity (T), JOSA 69: 333
- Thomson scattering (A), JOSA 65: 1197
- Three-mirror image rotator in a laser-produced plasma experiment (E) (L), AO 18: 3883
- Transitions of Zn XXII, Zn XXIII, Zn XXIV, Ge XXIV, and Ge XXV observed in laser-produced plasmas (ET) (L), JOSA 66: 376
- Transitions of Zn XXII, Zn XXIII, Zn XXIV, Ge XXIV, and Ge XXV observed in laser-produced plasmas (errata), JOSA 66: 1141
- Two-dimensional monochromatic x-ray imaging of laser-produced plasmas (E), OL 4: 126
- Vacuum ultraviolet radiation scales: an accurate comparison between plasma blackbody lines and synchrotron radiation (E), AO 16: 2477
- X-ray calibration of RAR 2490 film for application to laser plasma experiments (E), AO 16: 393
- X-ray shadowgraphing in laser-produced plasma experiments (E), OL 1: 76

## Plastics

- See also Materials, Optical materials
- Optical constants of far infrared materials. 3: Plastics, AO 14: 1335
- Plastic lenses booklet (N), AO 14: 2411
- Polishing plastic—2 (E) (N), AO 13: 2748
- Precision grinding and polishing (N), AO 14: 1802

## Platinum

- Optical properties of evaporated platinum films in the vacuum ultraviolet from 2200 Å to 150 Å (E), JOSA 69: 1695

## Plutonium

- Correlation of isotope shifts with  $\psi(0)^2$  for actinide configurations (T), JOSA 67: 1314

## PLZT (lead-lanthanum

### titano-zirconate ceramics)

- See also Electrooptics, Lead-lanthanum titano-zirconate
- Electrical control in photoferroelectric materials for optical storage (E), AO 13: 784
- PLZT matrix-type block data composers (E), AO 13: 347

## Pockels cells

- See also Electrooptics
- Bistable optical systems based on Pockels cells (A), JOSA 68: 1448
- Bistable optical systems based on a Pockels cell (E), OL 4: 115
- Extending the field of view of KD\*P electrooptic modulators (TE), AO 17: 3010
- High performance avalanche transistor switchout for external pulse selection at 1.06 μm (E), AO 17: 3184
- Implications of concurrent optical activity and electric-field-induced birefringence for Pockels readout optical modulator performance (A), JOSA 68: 1449
- Proposed multipass Thomson scattering system for tokamaks (E), AO 16: 1588
- Variable pulse-width generation for CO<sub>2</sub> lasers in the 100 ps to 1 ns range (A), JOSA 68: 543

## Pockels effect

- Imaging characteristics of the Itek PROM (E), AO 13: 2052



- Impurity induced photochromic behavior in bismuth silicon oxide ( $\text{Bi}_{12}\text{SiO}_{20}$ ) (A), JOSA 68: 1396
- Interferometric measurement of the transverse Pockels effect in KDP crystal (A), JOSA 68: 1396

## Polarimeters

- Detecting the orientation of the plane of polarization of a plane-polarized beam (P), AO 13: 11A26
- Digital lock-in technique for measurement of polarization of radiation (E), OL 1: 101
- Linear polarimeter with rapid modulation, achromatic in the 0.3–1.1- $\mu\text{m}$  range (E) (L), AO 15: 605
- Linear polarimeter with rapid modulation...: comment (E) (L), AO 15: 1685
- Linear polarimeter with rapid modulation...: reply to comment (E) (L), AO 15: 1686
- Photoelastic constants of potassium chloride at 10.6  $\mu\text{m}$  (ET), AO 16: 2925
- Photopolarimeter using two modulated optical rotators (T), OL 1: 181
- Ultraviolet polarimeter to record resonance-line polarization in the solar spectrum around 130–150 nm (E), AO 15: 1188

## Polarimetry

- Argon lines from electrodeless mercury-198 lamps (E) (L), AO 17: 506
- Elliptic polarization represented by the Carter and Smith charts (T), AO 18: 4017
- Focusing crystal polarimeter designed for x-ray polarimetry: construction and performance (E), AO 14: 1727
- Halfshade analyzer (E) (L), AO 17: 1163
- Photopolarimetric measurement of the Mueller matrix by Fourier analysis of a single detected signal (T), OL 2: 148
- Polarimetry of skylight in the ultraviolet (A), JOSA 69: 1411
- Polarization analyzer device (P), AO 18: 3891
- Simulation of mechanical rotation by optical rotation: application to the design of a new Fourier photopolarimeter (TE), JOSA 68: 518
- Simulation of mechanical rotation by optical rotation: application to the design of a new Fourier photopolarimeter (errata), JOSA 68: 1292

## Polarization

- Absolute rotational Raman cross sections for  $\text{N}_2$ ,  $\text{O}_2$ , and  $\text{CO}_2$  (TE), JOSA 64: 712
- Acoustooptically tuned laser (P), AO 16: 2790
- Aerosol property discrimination through sky polarization measurements (A), JOSA 67: 260
- Aircraft window polarization testing for a 1-Gbps laser communication test (A), JOSA 69: 1405
- Analysis of elliptically polarized light with a nonideal compensator (T) (L), JOSA 65: 352
- Analysis of systematic errors in rotating-analyzer ellipsometers (T), JOSA 64: 1459
- Anomalies of electromagnetic waves in multilayered structures containing anisotropy (T), JOSA 68: 1693
- Apparatus using reflected polarized light to inspect a moving web (P), AO 13: 1976
- Application of generalized ellipsometry to anisotropic crystals (T), JOSA 64: 128
- Assignment of absorption lines by Doppler-free polarization spectroscopy (A), JOSA 68: 625
- Automatic determination of the polarization state of nanosecond laser pulses (P), AO 18: 3714
- Automatic measurement of the Stokes vector of light (E), AO 18: 1217
- Average polarization of partially polarized light (T) (L), JOSA 64: 398
- Beam-splitter and cell-window errors in fluorescence spectrometry (ET), AO 18: 4134
- Birefringence in elliptically clad borosilicate single-mode fibers (ET), AO 18: 4080
- Birefringence of elliptical clad single polarization fibers (A), JOSA 68: 1407
- Birefringent polarization-independent beam splitter (TE), AO 18: 3111
- Broadband polarization rotator for the infrared (ET), AO 16: 1082
- Capacity of polarization and amplitude modulated links in the presence of atmospheric scintillation (T), AO 16: 1993

- Circularly polarized light source (P), AO 18: 3892
- Circular polarization in certain laser and holography applications (E) (L), AO 14: 1471
- Circular polarization in certain laser and holography applications: comments (E) (L), AO 14: 2567
- Circular polarization in certain laser and holography applications: reply to comments (E) (L), AO 14: 2568
- Coherence matrices of light beams at dielectric interfaces and Goos-Haenchen effect (T), JOSA 65: 1475
- Compact optical circulator for optical fiber transmission (E), AO 18: 3700
- Complete scattering matrix measurements using an electro-optical-modulator-based instrument (A), JOSA 66: 1134
- Computer generated polarization holograms: phase recording by polarization effect in photodichroic materials (T), AO 15: 1030
- Contrast sensitivity and viewing distance (E) (L), JOSA 65: 97
- Corneal polarization cross (E) (L), JOSA 68: 1139
- Cross-polarized target signature measurements (E), AO 15: 1837
- Degradation of holographic images due to depolarization of reflected light (TE), JOSA 68: 931
- Depolarization of light back scattered from rough dielectrics (ET), JOSA 65: 1036
- Depolarization of specular scatter as an aid to discriminating between a rough dielectric surface and an "identical" rough metallic surface (E), JOSA 69: 1212
- Depolarization of white light by a birefringent crystal (T), JOSA 65: 248
- Depolarization term of the wave equation (A), JOSA 68: 1369
- Depolarization term of the wave equation (T) (L), JOSA 69: 1313
- Depolarizer for pulsed monochromatic light (A), JOSA 64: 529
- Design criteria for reflection polarizers and analyzers in the vacuum ultraviolet (T), AO 17: 1259
- Design of film-substrate single-reflection linear partial polarizers (T), JOSA 65: 1472
- Determination of polarization in optical instruments and its metrological implications (ET), AO 13: 2228
- Dichroic microspectrophotometer: a computer-assisted, rapid, wavelength-scanning photometer for measuring linear dichroism in single cells (E), JOSA 64: 903
- Digital lock-in technique for measurement of polarization of radiation (E), OL 1: 101
- Direct relation between Fresnel's interface reflection coefficients for the parallel and perpendicular polarizations (T), JOSA 69: 1007
- Dispersion relations for the complex refractive index of circularly and elliptically polarized light (T): comments, JOSA 66: 454
- Effect of surface roughness on change of the polarization state of light reflected from silicon and germanium (ET), AO 15: 115
- Effect of thin-film thickness on Abeles-type index measurements (E) (L), JOSA 64: 108
- Effects of component optical activity in data reduction and calibration of rotating-analyzer ellipsometers (TE), JOSA 64: 812
- Electromagnetic field in the caustic region of a wide-angle spherical antenna under oblique parallel-beam illumination (A), JOSA 65: 1225
- Electromagnetic propagation in birefringent layered media (T), JOSA 69: 742
- Electro-optical light-modulation cell utilizing a nematogenic material which exhibits the Kerr effect at isotropic temperatures (P), AO 13: 2440
- Electro-optic display device (P), AO 13: 2440
- Electrooptic polarization switch for multimode fibers (T), AO 16: 119
- Ellipsometer nulling: convergence and speed (TE), AO 15: 2568
- Ellipsometer nulling: coupling and setting uncertainty (TE), AO 18: 1019
- Ellipsometric function of a film-substrate system: applications to the design of reflection-type optical devices and to ellipsometry (T), JOSA 65: 252
- Ellipsometry and Polarized Light. By R. M. A. Azzam and N. M. Bashara (B), Reviewed by Passaglia, Elio, AO 17: 1847

- Ellipsometry of a biaxial surface (TE), JOSA 65: 542
- Error calculation of polarization measurements (T), JOSA 66: 65
- Estimation of soil moisture and components by measuring the degree of spectral polarization with a remote sensing simulator (E), AO 17: 3439
- Experimental evidence of edge parameter effects in light diffraction, using holography (E), JOSA 67: 87
- Extending the field of view of KD\*P electrooptic modulators (TE), AO 17: 3010
- Fiber-ring interferometer: polarization analysis (ET), OL 4: 152
- Fluorescence polarization microscope for automatic screening of membrane fluidity of individual cells (E), AO 16: 564
- Form and intrinsic birefringence (T), JOSA 65: 239
- Formation of the temporal and spatial coherence of laser radiation near threshold: excitation of laser action as a phase transition (A), JOSA 68: 698
- Four-component polarization measurement of lidar atmospheric scattering (E), AO 17: 614
- Frequency-mixing detection (FMD) of polarization-modulated light (T), JOSA 66: 735
- Frequency stabilization of internal mirror He-Ne lasers in a transverse magnetic field (E) (L), AO 14: 2808
- Generalized ellipsometry based on azimuth measurements alone (T), JOSA 68: 514
- Generalized ellipsometry with a nonideal compensator (T) (L), AO 17: 3350
- General solution for the electro-optic effect (T), JOSA 65: 1144
- Handbook of Optics. Edited by Walter G. Driscoll and William Vaughan (B), Reviewed by Wright, W. D., AO 18: 416
- High frequency polarization modulation method for measuring birefringence (E), AO 14: 757
- High frequency polarization modulation method for measuring optical rotation (E), AO 14: 761
- Improved display permitting better viewing at wide angles (P), AO 18: 3220
- Improvement of birefringent filters. 2: Achromatic waveplates, AO 14: 229
- Improvement of birefringent filters. 3: Effect of errors on wide field elements (T), AO 14: 445
- Improvement in birefringent filters. 4: The alternate partial polarizer filter (TE), AO 15: 2871
- Improvement in birefringent filters. 5: Field of view effects (T), AO 18: 3443
- Influence of light polarization on performance of  $\text{LiNbO}_3$  surface-wave acousto-optic devices (A), JOSA 65: 1165
- Influence of measured reflection properties of vegetated surfaces on atmospheric radiance and its polarization (T), AO 17: 260
- Information content of sky intensity and polarization measurements at right angles to the solar direction (T), AO 17: 2153
- In-line fiber-optical polarization transformer (ET) (L), AO 18: 1288
- Intrinsic, shape, and configurational birefringence (T), JOSA 69: 1199
- Isopachics measurement using immersion method polarization holography (ET), AO 15: 3025
- Kinematic and dynamic light scattering from the periodic structure of a chiral smectic C liquid crystal (TE), JOSA 68: 1217
- Laser beam broadening and depolarization in dense fogs (E), JOSA 68: 900
- Laser beam broadening and polarization in dense fogs (A), JOSA 67: 1369
- Laser focal shift monitor (E) (L), AO 15: 2022
- Laser spectroscopy with polarization selective heterodyne detection (A), JOSA 68: 1432
- Lidar for multiple backscattering and depolarization observations (ET), AO 16: 3193
- Lidar polarization studies of the troposphere (E), AO 14: 2158
- Light polarization problems (T), AO 15: 2576
- Light scattering by tenuous particles: a generalization of the Rayleigh-Gans-Rocard approach (T), AO 15: 2932
- Linear polarimeter with rapid modulation, achromatic in the 0.3–1.1- $\mu\text{m}$  range (E) (L), AO 15: 605
- Linear polarimeter with rapid modulation...: comment (E) (L), AO 15: 1685



- Linear polarimeter with rapid modulation...  
reply to comment (E) (L), AO 15: 1686
- Losses of a nematic liquid-crystal optical waveguide (TE), JOSA 64: 1424
- Low-angle laser light scattering—Rayleigh factors and depolarization ratios (E), AO 13: 1934
- Lyot depolarizer in quasimonochromatic light (T), JOSA 69: 460
- Magneto-optical properties of bound-state transitions, and applications (TE), JOSA 65: 1261
- Making mica retardation plates: a simple technique (E) (L), AO 18: 1138
- Matrix transform optical calculus for generalized linear dielectric media (T), AO 14: 1406
- Measurement of 3-D stress distribution by a scattered-light method using depolarized incident light (E), AO 18: 321
- Measurement of the polarization effects of an instrument using partially polarized light (T), AO 18: 809
- Measurement of the Stokes parameters of light (E), AO 16: 3200
- Measuring small depolarization factors in compressed gases: an improved method (E) (L), AO 16: 3074
- Method for altering (P), AO 18: 3757
- Method for altering (P), AO 18: 3757
- Methods for determining the optical parameters of elliptic retarders (TE), JOSA 65: 1279
- Mode dispersion in uniaxial optical waveguides (T), JOSA 64: 441
- Mueller matrix ellipsometry with imperfect compensators (T), JOSA 68: 1519
- Multilayer coatings producing 90° phase change (T) (L), AO 18: 1875
- Multilayer GaAs-Al<sub>0.3</sub>Ga<sub>0.7</sub>As dielectric quarter wave stacks grown by molecular beam epitaxy (E), AO 14: 2627
- Multiple scattered radiation emerging from Rayleigh and continental haze layers. 1: Radiance, polarization, and neutral points (T), AO 15: 632
- Multiple scattered radiation emerging from Rayleigh and continental haze layers. 2: Ellipticity and direction of polarization (T), AO 15: 1003
- Multiple scattering in atmospheric clouds: lidar observations (E), AO 15: 1990
- New absorption band in the spectrum of ruby (E) (L), JOSA 64: 893
- Nomenclature of polarized light: elliptical polarization (R), AO 13: 222
- Nomenclature of polarized light: linear polarization (R), AO 13: 3
- Nonpolarizing interference films inside a glass cube (T), AO 15: 2983
- Numerical solution for the evolution of the ellipse of polarization in inhomogeneous anisotropic media (T) (L), JOSA 64: 731
- Off-state transmission of a twisted nematic liquid-crystal layer. Some comments (T) (L), JOSA 69: 913
- Optical activity of tellurium to 20 μm (E) (L), JOSA 65: 217
- Optical backscattering from near-spherical water, ice, and mixed phase drops (ET), AO 16: 1332
- Optical beam shaping devices using polarization effects (ET), AO 13: 1629
- Optical constants of bulk and thin-film aluminum at 6328 Å (E), JOSA 65: 792
- Optical frequency shifter for heterodyne interferometers using multiple rotating polarization retarders (T) (L), AO 17: 3034
- Optically pumped waveguide lasers (R), JOSA 67: 952
- Optical modulation system and frequency doubler using organo-substituted carboranes (P), AO 16: 538
- Optical properties of core-mantle particles (scattering, polarization, efficiency factors) (A), JOSA 67: 257
- Optical rotary joint (P), AO 14: 1746
- Optics of bianisotropic media (T), JOSA 64: 1304
- Optics of polarization sensitivity in animals (A), JOSA 66: 1112
- Orientation of crystals by extinction between crossed linear polarizers (ET) (L), AO 14: 809
- Partial coherent ac polarization interferometers using a high-order birefringent plate instead of a half-wave plate (A), JOSA 68: 1391
- Performance limitations imposed on integrated optical devices by polarization (A), JOSA 66: 289
- Performance limitations imposed on optical waveguide switches and modulators by polarization (T), AO 15: 2440
- Photoelastic Effect and Its Applications. Edited by Jean Kestens (B). Reviewed by Weller, Royal, JOSA 66: 507
- Photoelastic modulator for the 0.55–13-μm range (ET), AO 15: 1960
- Photoelectric determination of the Mueller-Stokes matrix elements (A), JOSA 65: 1166
- Photometric ellipsometer for measuring partially polarized light (ET), JOSA 65: 1274
- Photon-counting polarizing radiometer (E), AO 13: 497
- Photopolarimeter using two modulated optical rotators (T), OL 1: 181
- Photopolarimetric measurement of the Mueller matrix by Fourier analysis of a single detected signal (T), OL 2: 148
- Piezo- and thermo-optical properties of Bi<sub>12</sub>GeO<sub>20</sub>. III. The dispersion theories and models (T), JOSA 69: 352
- Poincaré sphere analysis of liquid crystal optics (TE), AO 16: 2090
- Polarizabilities of highly ionized atoms (T), JOSA 69: 1279
- Polarizability of the metallic grains of a two-dimensional film in interaction with the electric field on an electromagnetic wave (TE), JOSA 68: 1019
- Polarization and ellipticity of light scattered from a haze layer (A), JOSA 64: 1389
- Polarization and interference effects in coherent active Raman spectroscopy (A), JOSA 68: 1432
- Polarization and losses of whispering-gallery waves along twisted trajectories (TE), JOSA 69: 1218
- Polarization and magneto-optic properties of single-mode optical fiber (ET), AO 17: 52
- Polarization and scattering by nonspherical aerosols (A), JOSA 67: 257
- Polarization and scattering characteristics in the atmospheres of earth, Venus, and Jupiter (TE), JOSA 69: 1051
- Polarization and scattering characteristics in the atmospheres of earth, Venus, and Jupiter (TE), JOSA 69: 1191
- Polarization by gratings used at grazing incidence (E), AO 17: 2502
- Polarization characteristics of noncircular core single-mode fibers (ET), AO 17: 3014
- Polarization conserving light bending prisms and optimized Fresnel rhombs (T), AO 13: 1110
- Polarization-dependent light scattering for sizing submicron particles (A), JOSA 69: 1451
- Polarization effects caused by metal corner cubes in laser cavities (A), JOSA 66: 1133
- Polarization effects in gloss measurements (T), AO 18: 2252
- Polarization effects in resonators (T) (L), AO 18: 2911
- Polarization effects in short-length, single-mode fibers (A), JOSA 67: 707
- Polarization effects of axicons (T) (L), AO 18: 581
- Polarization effects on overcoated mirrors (A), JOSA 66: 79
- Polarization flipper for infrared laser beams: comment (E) (L), AO 16: 1489
- Polarization, Fourier spectrometer for astronomy (E), AO 13: 1147
- Polarization-insensitive integrated-optical switches: a new electrode design (T), AO 16: 2166
- Polarization models of halo phenomena. I. The parhelic circle (T), JOSA 69: 1100
- Polarization modulation with (110) double heterostructure *p-n* junction diodes (A), JOSA 66: 289
- Polarization nearness variation in an anisotropically absorbing medium (T), AO 18: 2990
- Polarization of an instrument measured with partially polarized light (A), JOSA 68: 1426
- Polarization of light from a pulsed dye laser (E), AO 17: 1012
- Polarization of light from a pulsed dye laser: effects of solvent viscosity (ET), AO 18: 4112
- Polarization of light reflected from rough planetary surface (T), AO 14: 1395
- Polarization of light sources: a photographic method (E), AO 14: 2766
- Polarization optics of index-gradient optical waveguide fibers (TE), AO 14: 2406
- Polarization optics of liquid-core optical fibers (ET), AO 16: 1315
- Polarization optics of twisted single-mode fibers (TE), AO 18: 2241
- Polarization properties of diffraction gratings (E) (L), JOSA 66: 1055
- Polarization properties of lidar scattering from clouds at 347 nm and 694 nm (E), AO 17: 2321
- Polarization reference imaging systems. 2: Computer simulation studies (T), AO 15: 1411
- Polarization rotator based on dispersion due to two-photon transitions (P), AO 18: 748
- Polarization scrambling using a photoelastic modulator: application to circular dichroism measurement (TE), JOSA 65: 1031
- Polarization-selective laser mirror (P), AO 16: 2790
- Polarization sensitive nonlinear spectroscopy with a Faraday rotator (A), JOSA 69: 1476
- Polarization states of light diffracted by acoustic surface waves (ET), AO 15: 811
- Polarization studies of far-IR radiation from a line-focus plasma (A), JOSA 68: 1389
- Polarization uses in lasergyros (A), JOSA 65: 1211
- Polarized Electrons. By Joachim Kessler (B). Reviewed by Vernier, P. J., AO 16: 1774
- Polarized Light. Edited by William Swindell (B). Reviewed by Greenler, Robert G., AO 15: 2602
- Polarized Light. Edited by William Swindell (B). Reviewed by Azzam, R. M. A., JOSA 66: 871
- Polarized light scattered from monodisperse randomly oriented nonspherical aerosol particles: measurements (E), AO 15: 384
- Polarized rainbow (T), AO 18: 1961
- Polarizer-surface-analyzer null ellipsometry for film-substrate systems (TE), JOSA 65: 1464
- Polarizing attachment for microscopes having inclined binocular eyepiece (P), AO 18: 3891
- Principal angle, principal azimuth, and principal-angle ellipsometry of film-substrate systems (T), JOSA 67: 1058
- Propagation of partially polarized light through anisotropic media with or without depolarization: a differential 4 × 4 matrix calculus (T), JOSA 68: 1756
- Properties of a multimode electro-optic polarization switch for fiber optics (A), JOSA 65: 1214
- Quantum beats in transmission by time-resolved polarization spectroscopy (A), JOSA 68: 1637
- Quantum efficiency and instrumental polarization of an optical monochromator (R), AO 13: 1965
- Radiation in the earth's atmosphere: its radiance, polarization, and ellipticity (T), AO 15: 2489
- Radiation loss calculations for corrugated dielectric waveguides. II: TM polarization (T), JOSA 69: 1671
- Radiation transfer with polarization in the earth's atmosphere (A), JOSA 64: 1389
- Raman-induced Kerr effect with elliptical polarization (TE), JOSA 66: 641
- Recent measurements of twilight polarization (E) (L), AO 13: 219
- Recording and reconstruction of an object's wave state of polarization by a volume hologram (T), AO 18: 3633
- Reflecting optical system capable of compensating for the variation in polarization mode (P), AO 13: 2438
- Reflection of an electromagnetic plane wave with 0 or π phase shift at the surface of an absorbing medium (T), JOSA 69: 487
- Relation between piezo-optical and thermo-optical properties of crystals (T), JOSA 64: 944
- Relations between amplitude reflectances and phase shifts of the *p* and *s* polarizations when electromagnetic radiation strikes interfaces between transparent media (T) (L), AO 18: 1884
- Representation of codirectional coupled waves (T), OL 1: 109
- Rotating-compensator/analyzer fixed-analyzer ellipsometer: analysis and comparison to other automatic ellipsometers (T), JOSA 66: 949
- Rotating depolarizer ellipsometry (E), AO 16: 3012
- Sensitivity of zenith twilight polarization to stratospheric aerosol particle concentration (A), JOSA 67: 260
- Simulation of mechanical rotation by optical rotation: application to the design of a new Fourier photopolarimeter (TE), JOSA 68: 1118



- Simulation of mechanical rotation by optical rotation: application to the design of a new Fourier photopolarimeter (errata), JOSA 68: 1292
- Single-mode fiber-optical polarization rotator (E), AO 18: 1857
- Single polarization optical fibers: slab model (A), JOSA 68: 1407
- Single polarization optical fibers: exposed cladding technique (A), JOSA 68: 1408
- Single strip diffraction: comparison of Kirchhoff theory and geometrical theory with the exact solution in the limit of small glancing angle and width; perpendicular polarization (T), AO 15: 2866
- Sky brightness and polarization during the 1973 African eclipse (E), AO 14: 388
- Spatial relationships between the polarization ellipses and the Poynting vector near focus of a wide-angle coherent beam (A), JOSA 65: 1226
- System for polarizing optical energy and transmitting through media (P), AO 14: 1240
- Teoria si practica elipsometriei*. By D. Moisil and G. Moisil (B), Reviewed by Vlad, Valentin I., AO 13: 212
- Testing of optically active substances by polarized radiation (P), AO 15: 2608
- Theory of Polarization Phenomena. By B. A. Robson (B), Reviewed by Claus, Albert C., AO 14: 2799
- Theory of Polarization Phenomena. By B. A. Robson (B), Reviewed by Parkinson, Michael T., Ballard, S. S., JOSA 65: 1386
- Theory of Polarization Phenomena. B. A. Robson (B), Reviewed by Howard, John N., JOSA 68: 146
- Theory of the scattering-phase-matrix determination for ice crystals (T), JOSA 65: 159
- Thin slits: transmission and polarization (E), AO 15: 1199
- Thin slits: transmission and polarization; comment (L), AO 15: 2619
- Thin slits: transmission and polarization; author's reply to comment (L), AO 15: 2620
- Transmission of polarized light as a function of sample thickness for cholesteric liquid-crystal films (E), JOSA 64: 250
- Transmittance ratio of a compensator (TE), AO 14: 2935
- Transmittance ratio of a compensator: influence of detector sensitivity (TE), AO 16: 1521
- Tunable polarization rotator for UV and visible laser radiation employing optically active media (A), JOSA 67: 1436
- Two-film reflection polarizers: theory and application (T), AO 14: 486
- Two simple graphical methods for determining the action of a system of polarizers and retarders (T), JOSA 66: 976
- Ultraviolet polarization effects caused by metal corner cubes in laser cavities (A), JOSA 67: 1436
- Uniaxial and biaxial anisotropy in thin-film optical waveguides (T), JOSA 64: 27
- Vectorial treatment of optical systems (T), JOSA 68: 1275
- Wavelength-scanning polarization-modulation ellipsometry: some practical considerations (ET), AO 17: 542
- ### Polarizers
- Economic infrared polarizer utilizing interference effects in films of polyethylene kitchen wrap (TE), AO 15: 1034
- Electro-optical variable focal length lens using optical ring polarizer (P), AO 15: 325
- Generalized Brewster-angle conditions for quarter-wave multilayers at non-normal incidence (T), JOSA 64: 647
- Highly efficient reflection-type polarizers for 10.6- $\mu$ m CO<sub>2</sub> laser radiation using aluminum oxide coated aluminum mirrors (TE) (L), AO 17: 1657
- Index matching reduces peak electric fields in thin-film polarizers (T), AO 14: 1220
- Integrated optical polarizer (A), JOSA 66: 289
- Laser polarizing beam splitter (P), AO 13: 11A26
- Light polarizing prism of zircon (P), AO 13: 11A26
- Lyot depolarizer in quasimonochromatic light (T), JOSA 69: 460
- Mercurous chloride prism polarizers (P), AO 15: 585
- Method to correct lack of extinction in microscopes (P), AO 14: 3
- Multiple-cavity FTR polarizers (A), JOSA 67: 1430
- Nonplanar wire polarizers for the far infrared (T) (L), AO 18: 420
- Optical transmission and reflection properties of a pile of lossy plates (TE), AO 15: 2068
- Optical waveguiding polarizer (E) (L), AO 13: 1753
- Polarization nearness variation in an anisotropically absorbing medium (T), AO 18: 2990
- Polarized-light headlight (P), AO 15: 8
- Reflection polarizers for the vacuum ultraviolet using Al + MgF<sub>2</sub> mirrors and an MgF<sub>2</sub> plate (A), JOSA 67: 1412
- Reflection polarizers for the vacuum ultraviolet using Al + MgF<sub>2</sub> mirrors and an MgF<sub>2</sub> plate (TE), AO 17: 76
- Ruled Zn-Se wire-grid polarizer (A), JOSA 65: 1215
- SiO<sub>2</sub>-Si film—substrate reflection polarizers for different mercury spectral lines (T) (L), AO 16: 1488
- Temperature dependence of thin-film polarizer (A), JOSA 67: 253
- Thin-film polarizers (A), JOSA 68: 1423
- Two-film reflection polarizers: theory and application (T), AO 14: 486
- Two simple graphical methods for determining the action of a system of polarizers and retarders (T) (L), JOSA 66: 976
- Variable amplitude polarizing beam splitter (P), AO 13: 11A26
- Versatile frustrated-total-reflection polarizer for the infrared (T), OL 4: 66
- Wideband circular polarizer (P), AO 18: 3966
- ### Pollution
- See also Atmospheres, Atmospheric optics
- Absolute oil fluorescence conversion efficiency (T), AO 15: 409
- Absorption characteristics of the  $\gamma$ -0 band of nitric oxide (TE), AO 17: 1290
- Absorption characteristics of the  $\gamma$ -0 band of nitric oxide: comments (T) (L), AO 18: 419
- Absorption characteristics of the  $\gamma$ -0 band of nitric oxide: reply to comments (T) (L), AO 18: 419
- Absorption coefficients of various pollutant gases at CO<sub>2</sub> laser wavelengths; application to the remote sensing of those pollutants (E), AO 17: 391
- Absorption coefficients of various pollutant gases at CO<sub>2</sub> laser wavelengths; application to the remote sensing of those pollutants (errata), AO 17: 2138
- Absorption spectroscopy stack monitor (P), AO 13: 1A26
- Access to air pollution literature (N), AO 17: 271
- Active spill-detection pollution monitoring system (A), JOSA 66: 386
- Active spill-detection pollution monitoring system (A), JOSA 66: 386
- Air pollution measurement by Fourier transform spectroscopy (E), AO 17: 1360
- Analytical Methods Applied to Air Pollution Measurements. Edited by Robert K. Stevens and William F. Herget (B), Reviewed by Lovell, D. J., AO 14: 2569
- Analytical study of laser computed tomography: application to air pollution (A), JOSA 69: 1411
- Atmospheric NO<sub>2</sub> determination by 442-nm laser induced fluorescence (E), AO 14: 1418
- Atmospheric pollutant sensing device (P), AO 13: 977
- Beam splitter for infrared detection of pollutants (P), AO 16: 2596
- Carbon dioxide laser absorption coefficients for determining ambient levels of O<sub>3</sub>, NH<sub>3</sub>, and C<sub>2</sub>H<sub>4</sub> (E), AO 13: 2850
- Carbon dioxide laser absorption coefficients of various air pollutants (E) (L), AO 14: 2058
- Collector size or range independence of SNR in fixed-focus remote Raman spectrometry (T), AO 13: 1615
- Continuously tunable IR lidar with applications to remote measurements of SO<sub>2</sub> and CH<sub>4</sub> (E), AO 17: 3555
- Cumulative index for the Journal of APCA (N), AO 17: 2315
- Detection of atmospheric pollutants: a correlation technique (ET), AO 14: 1423
- Detectivity estimation of the DAS lidar for NO<sub>2</sub> (T), AO 17: 2734
- Determination of moments of the size distribution function in scattering by polydispersions: a comment (TE) (L), AO 17: 3516
- Determination of pollutant altitude profiles with a laser absorption spectrometer (A), JOSA 64: 541
- Diode laser (P), AO 13: 2735
- Dispersive correlation spectroscopy: a study of mask optimization procedures (TE), AO 16: 1009
- Doppler-free two-photon spectroscopy for monitoring stratospheric gases: an analysis (T), AO 15: 2654
- Economical multispectral sun photometer for measurements of aerosol extinction from 0.44  $\mu$ m to 1.6  $\mu$ m and precipitable water (E) (L), AO 13: 1732
- Effect of sea-state on the performance of laser fluorosensors (T), AO 17: 2730
- Effects of Stratospheric Pollution by Aircraft. CIAP Report of Findings. By A. J. Grobecker, S. C. Coroniti, and R. H. Cannon, Jr. (B), Reviewed by Howard, John N., AO 14: A197
- Environmental Impact of Stratospheric Flight (B), Reviewed by Howard, John N., AO 14: A198
- Erbium laser as a remote sensor of methane (TE) (L), AO 14: 2812
- Estimating the spatial concentration of certain types of air pollutants (T), JOSA 67: 668
- Fire detectors (P), AO 15: 1670
- Fluorescence ambient NO<sub>2</sub> monitor with flashlamp pumping (E), AO 16: 1359
- Fluorescence determination of low formaldehyde concentrations in air by dye laser excitation (E), AO 14: 310
- Fluorocarbons and the Environment; Report of the Federal Task Force on Inadvertent Modification of the Stratosphere (B), Reviewed by Silverman, Shirleigh, AO 14: 2804
- Further Information on the Fluorocarbon Industry and on Potential Impacts of Restriction of Fluorocarbon Production; Analysis (B), Reviewed by Silverman, Shirleigh, AO 14: 2804
- Gas cell correlation spectrometer: GASPEC (ET), AO 14: 2896
- High arsenic level in atmosphere (N), AO 18: A52
- High-energy LiNbO<sub>3</sub> tunable source (A), JOSA 67: 255
- High sensitivity point monitoring of atmospheric gases employing tunable diode lasers, AO 17: 1806
- High sensitivity point monitoring of ozone, and high resolution spectroscopy of the  $\nu_3$  band of ozone using a tunable semiconductor diode laser (E), AO 18: 1198
- High-sensitivity pollution detection (A), JOSA 67: 1363
- High sensitivity pollution detection employing tunable diode lasers (E), AO 17: 300
- Imaginary refractive index determinations of the strong absorption in atmospheric dust in the 2.0–3.0  $\mu$ m spectral region (A), JOSA 67: 1363
- Improved sensitivity of tunable-diode-laser open-path trace gas monitoring systems (E), AO 18: 3438
- Incoherent optical heterodyne detection and its application to air pollution detection (TE), AO 17: 3444
- Infrared extinction of tropospheric aerosols: Effluents from a coal-fired powerplant (A), JOSA 67: 257
- Infrared gas-filter correlation instrument for in situ measurement of gaseous pollutant concentrations (ET), AO 15: 1222
- Infrared vibration-rotation spectra of the ClO radical using tunable diode laser spectroscopy (E) (L), AO 17: 1301
- In situ* contamination detection using light scattering (A), JOSA 66: 1124
- Instrumental methods for air and water measurements and monitoring program, National Bureau of Standards, 14 Dec 1974 (N), AO 13: 2498
- Keeping dust off optical components (E) (L), AO 18: 1471
- Laboratory evaluation of two laser fluorosensor systems (E), AO 18: 3579
- Laser optoacoustic detection of explosive vapors (E), AO 15: 1506
- Laser radar for remote detection of oil spills (A), JOSA 67: 1363
- Laser radar for remote detection of oil spills (E), AO 17: 3798
- Laser Remote Sensing for Air Pollution Measurements; First German Lidar Conference, Essen, 9–11 Oct 1974 (M), Reported by Werner, Ch., AO 14: 796



**Laser Spectroscopy of the Atmosphere**  
 Proceedings of the NATO Expert Conference. Edited by Per-Erik Nørdal (B), Reviewed by Silverman, Shirleigh, AO 15: 1371

**Laser two-photon ionization spectroscopy: a new method for real-time monitoring of atmospheric pollutants (E)**, OL 4: 337

**Lidar plume dispersion measurements (A)**, JOSA 68: 1434

**Lidar system applied in atmospheric pollution monitoring (E)**, AO 18: 2998

**Limitation to optoacoustic detection of atmospheric gases by water vapor absorption (T)** (L), AO 13: 1005

**Long-path laser monitor of carbon monoxide: system improvements (E)**, AO 18: 3004

**Long-path monitoring: advanced instrumentation with a tunable diode laser (E)** (L), AO 15: 1653

**Long-path monitoring of atmospheric carbon monoxide with a tunable diode laser system (E)**, AO 14: 854

**Measurement of air pollutants from satellites. 1: Feasibility considerations (T)**, AO 13: 1494

**Multiwavelength transmissometer mass concentration monitor (A)**, JOSA 68: 1363

**Nitric acid vapor line parameters measured by CO laser transmittance (ET)**, AO 18: 76

**NO<sub>2</sub> concentration measurements in an urban atmosphere using differential absorption techniques**, AO 13: 1481

**NSF report on pollutants transferred into marine environment (N)**, AO 16: 653

**OH spectroscopy using a cw tunable laser (A)**, JOSA 68: 634

**Opacity of black smoke: calculated variation with particle size (A)**, JOSA 68: 1358

**Optical properties of cigarette smoke aerosols (E)** (L), AO 17: 3030

**Optical spatial filtering and water-pollution monitoring (A)**, JOSA 64: 544

**Optoacoustic detection of ethylene in the presence of interfering gases (E)**, AO 18: 2267

**Particle size dependence of the composition and complex refractive index of atmospheric dust: measurements and discussion (A)**, JOSA 67: 1364

**Photoacoustic air pollution detector at CO<sub>2</sub> laser frequencies (ET)**, AO 18: 2938

**Photoacoustic investigation of urban aerosol particles (E)** (L), AO 18: 2528

**Pollution monitoring systems based on resonance absorption measurements of ozone with a "tunable" CO<sub>2</sub> laser: some criteria (ET)**, AO 15: 340

**Pressure and temperature dependence of Freon-12 absorption coefficients for CO<sub>2</sub> waveguide laser radiation (E)**, AO 17: 1018

**Quantitative remote measurements of pollutants from stationary sources using Raman lidar (E)**, AO 16: 3180

**Remarks by the Honorable Russell E. Train, Pittsburgh, PA, 15 Mar 1975 (N)**, AO 15: 1044

**Remote air-pollution monitoring system using a tunable 1.4-4.0  $\mu$ m infrared source (A)**, JOSA 66: 386

**Remote atmospheric sensing with an airborne laser absorption spectrometer (TE)**, AO 13: 2840

**Remote detection of pollutants using resonance Raman scattering (TE)**, AO 14: 2703

**Remote measurement of ethylene using a CO<sub>2</sub> differential-absorption lidar (ET)**, AO 17: 814

**Remote measurement of gaseous pollutant concentrations using a mobile Fourier transform interferometer system (E)**, AO 18: 3404

**Remote measurements of ambient air pollutants with a bistatic laser system (E)**, AO 15: 2080

**Remote sensing of CO using frequency-doubled CO<sub>2</sub> laser radiation (A)**, JOSA 69: 1398

**Remote SO<sub>2</sub> measurements at 4  $\mu$ m with a continuously tunable source (E)**, OL 2: 163

**Sensing of environmental pollutants, 2nd joint conference on, Washington, 10-12 Dec 1973 (M)**, Reported by Melfi, S. Harvey, AO 13: 701

**Sodium in laboratory atmosphere (E)** (L), AO 15: 1380

**Spectral extinction measurements of urban hazes (A)**, JOSA 69: 1399

**Spectrometers (P)**, AO 14: 1756

**Spectrophotometric measurements of isotopes of water vapor and nitric oxide and of phosgene at selected wavelengths in the CO and CO<sub>2</sub> laser region (E)**, OL 2: 67

**Spectroscopic identification of NO<sub>2</sub> in the atmospheric brown haze over Toronto (A)**, JOSA 67: 1363

**Statistical band model analysis and integrated intensity for the 11.8- $\mu$ m band of CFCI<sub>3</sub> (E)** (L), AO 15: 2305

**Stratospheric temperature and pressure determinations from an OH fluorescence lidar instrument (T)**, AO 18: 1710

**Strengthening environmental programs, NSB report (N)**, AO 17: 1270

**Sulfuric acid in KBr pellet spectroscopy (E)** (L), AO 18: 2353

**Surveillance of Environmental Pollution and Resources by Electromagnetic Waves. Edited by T. Lund (B), Reviewed by Kim, Hong Suk H.; Eckerman, Jerome R.; McClain, Charles R., AO 18: 4088**

**System for the optical monitoring of air pollution in a large space (P)**, AO 14: 1041

**Teledetection of the thickness of oil films on polluted water based on the oil fluorescence properties (E)**, AO 18: 1746

**Time-resolved laser fluorosensors: a laboratory study of their potential in the remote characterization of oil (E)**, AO 17: 1624

**Vertical distribution of NO, NO<sub>2</sub>, and HNO<sub>3</sub> as derived from stratospheric absorption infrared spectra (ET)**, AO 14: 825

**Very long lasers (E)**, AO 13: 379

**Water pollution monitoring using matched spatial filters (E)**, AO 15: 510

**Water vapor monitored in earth's atmosphere by radio telescope (N)**, AO 16: 1965

**Zeeman effect absorption spectrometer (P)**, AO 14: 2038

**Zeeman effect absorption spectrometer to detect Hg (P)**, AO 15: 1347

## Potassium

**Energy levels of 1s<sup>2</sup> 2s<sup>2</sup> 2p<sup>4</sup> configurations in the C I and N I sequences in S, Cl, Ar, K, Ca (E)** (L), JOSA 64: 397

**Lifetime measurements in the excited S states of K, Rb, and Cs by the cascade-Hanle effect (TE)**, JOSA 66: 426

**Spectrum of potassium vapor in a dye laser cavity at 7900-8400 Å (A)**, JOSA 67: 1432

**Two-photon absorption spectroscopy of potassium Rydberg states (ET)**, JOSA 67: 579

## Praseodymium

**Fluorescence due to magnetic-dipole transitions in LiYF<sub>4</sub>:Pr<sup>3+</sup> (E)** (L), AO 18: 3365

**Index of refraction of some rare-earth halides at 6328 (E)** (L), JOSA 65: 357

**Infrared absorption of Pr<sup>3+</sup> in LaCl<sub>3</sub> and LaBr<sub>3</sub> at 4-5  $\mu$ m (E)** (L), JOSA 69: 1622

**Variations energetiques de l'absorption optique du lanthane et du praseodyme pris en couches minces (E)**, AO 13: 599

## Printing

**See also Photolithography**

**Analysis and experimental study of ruled halftone screens (TE)**, AO 13: 1299

**Analysis of image reproduction using a linear line screen (T)**, OL 4: 408

**Apparatus for making copies of multi-colored originals (P)**, AO 17: 1473

**Avoiding raster effect (P)**, AO 18: 3521

**Catadioptric projection printer for microcircuits (P)**, AO 15: 1348

**Characterizing halftone noise: a technique (E)**, AO 17: 3999

**Choice of inks for printed anaglyphs (L)**, AO 16: 2586

**Contrast enhancement in partially coherent imaging (A)**, JOSA 67: 1366

**Dye-transfer process (P)**, AO 13: 976

**Electrooptical printing system (P)**, AO 15: 2947

**Electrophotographic apparatus (P)**, AO 18: 259

**Equidensitometry by coherent optical filtering (E)**, AO 15: 2394

**Focused laser lithographic system (E)**, AO 17: 1069

**Halftone dot profile and aliasing in the discrete binary representation of images (A)**, JOSA 66: 1131

**Halftone images: spatial resolution and tone reproduction (TE)**, JOSA 68: 416

**Halftone method with edge enhancement and moire suppression (A)**, JOSA 65: 1177

**Halftone method with edge enhancement and moire suppression (E)**, JOSA 66: 985

**Image recording and display by embossable surface-relief structures (A)**, JOSA 66: 381

**Laser optical system of the IBM 3800 printer (A)**, JOSA 66: 381

**Laser printer scanning system with a parabolic mirror (ET)**, AO 17: 878

**Laser scanning for the graphic arts (A)**, JOSA 69: 1480

**Linear array modulator (P)**, AO 18: 3872

**Methods for real-time nonlinear optical processing (A)**, JOSA 68: 1361

**Microfilm by laser transfer printing (A)**, JOSA 66: 381

**New electrostatic system (N)**, AO 13: 1398

**New parallel processing optical analog-to-digital conversion method (A)**, JOSA 68: 1376

**Optical arrangement for high speed printout system (P)**, AO 14: 1043

**Optical design considerations in laser scanning systems (A)**, JOSA 69: 1479

**Phototypesetting computer program Setab (N)**, AO 13: 7A14

**Presentation of halftone images on bilevel displays (A)**, JOSA 68: 1361

**Printing plate production method and apparatus (P)**, AO 13: 976

**Random quasiperiodic halftone process (TE)**, JOSA 66: 909

**Real-time nonlinear processing with halftone screens (A)**, JOSA 68: 1361

**Recording module of the 3M laser microfilm system (A)**, JOSA 66: 381

**Screen patterns used in reproduction of continuous-tone graphics (R)**, AO 13: 1703

**Yule-Nielsen effect in printing: a physical analysis (T)**, AO 17: 3376

## Prisms

**Beam splitting assembly (P)**, AO 16: 279

**Conical axicons used as optical polar everters (T)** (L), AO 14: 1482

**Correcting glass-angles of a prism (E)** (L), AO 16: 2019

**Correcting glass-angles of prism (errata)**, AO 16: 2787

**Deviation prisms: controlling the 90° roof-angle ridge (E)** (L), AO 15: 1661

**Making an octagonal prism from Plexiglas (N)**, AO 16: 272

**Mercurous chloride prism polarizers (P)**, AO 15: 885

**Michelson interferometer with frustrated-total-internal-reflection beam splitter (TE)**, JOSA 65: 124

**Near perfect optical square (E)** (L), AO 18: 1284

**Nomograph for the calculation of the index of refraction of a prism (T)** (L), AO 13: 2449

**Offset prism for optical waveguide coupling (T)**, AO 13: 1850

**One way of making a long octagonal prism (L)**, AO 14: 2036

**Optical arrangement for high speed printout system (P)**, AO 14: 1043

**Optical figuring of prisms (E)** (L), AO 16: 1459

**Optical rotary joint (P)**, AO 14: 1746

**Optical system for effecting indication with a finder in a single lens reflex camera (P)**, AO 15: 2948

**Optimization of prism coupling efficiency for surface electromagnetic wave excitation in the infrared (E)**, AO 16: 1549

**Polarization conserving light bending prisms and optimized Fresnel rhombs (T)**, AO 13: 1110

**Precision prism made of calcium fluoride (N)**, AO 15: 1353

**Prismatic anamorphic system for optical correlators (P)**, AO 17: 2262

**Roll and focus apparatus (P)**, AO 14: 1458

**Simultaneous determination of refractive indices and angles of prisms (E)**, AO 13: 118

**Surface electromagnetic wave coupling efficiencies for several excitation techniques (E)**, AO 15: 3066

**Surface electromagnetic wave coupling efficiency dependence on prism gap height (E)** (L), AO 16: 3077

**Symmetrical prism as input coupler for integrated optics (E)** (L), AO 17: 3191

**Tapered gap prism couplers for high index materials (E)** (L), AO 16: 1795

**Testing a prism's compound reflecting angles (L)**, AO 14: 2791

**Testing glass reflecting angles of prisms (E)** (L), AO 17: 1661

**Two matched prisms (N)**, AO 14: 253

**Two-wave interferometers for use with a monochromatic source (ET)** (L), AO 18: 422



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- Wavelength calibration of a prism monochromator (ET) (L), AO 16: 2791
- Wollaston prism as a beam splitter in convergent light (T) (L), AO 17: 3352

## Projectors

- Atmospheric lens of the Grace Flandrau Planarium (A), JOSA 66: 1113
- Automatic focusing system for projectors (P), AO 13: 2A26
- Composite Fresnel lens assembly (P), AO 16: 1815
- Full circle display (P), AO 16: 3246
- Helmet-mounted display utilizing a conic visor and tilted projection components (A), JOSA 64: 1358
- Influence of condenser design and arc lamps on performance of projection lenses (A), JOSA 66: 1113
- Lens system for motion picture projection (P), AO 16: 13
- Microfiche layout and positioning mechanism therefor (P), AO 16: 13
- Movie for instant photography (P), AO 13: 2960
- Speckle-free rear-projection screen using two close screens in slow relative motion (E), JOSA 66: 1290
- Stereoscopic microscopy (P), AO 14: 1043
- Three dimensional large screen movie techniques employing holography and a cylindrical optical system (P), AO 13: 2A26
- Three-dimensional projection system (P), AO 15: 1359
- ZAPS—a new point-of-interest projection system (A), JOSA 67: 1374

## Publications

- Abstracts of plastics publications, "Plastracts" (N), AO 13: 954
- AO Cumulative Index 1962-1973 (errata), AO 16: 797
- AO Cumulative Index, 1962-1973 (errata), AO 16: 2784
- Applied Optics statistics (N), AO 17: A191
- Applied Optics statistics (N), AO 18: A63
- Applied Optics statistics for 1974 (N), AO 14: A63
- Applied Optics summary Volume 16 (N), AO 17: A65
- Black English (N), AO 16: A141
- Chemistry in the economy, published by ACS (N), JOSA 64: 1028
- Copyright and the right to copy (N), AO 14: A40
- Copyright law (N), JOSA 68: 148
- Copyright laws (N), AO 16: A160
- Copyright owner's consent code (N), AO 17: 234
- Dewey classification system (N), AO 18: A237
- Digests of topical meetings (N), AO 14: 2015
- Energy Abstracts, new journal (N), AO 13: 1676
- Energy source, newsletter "SUN" (N), AO 13: 5A16
- English language problems (N), AO 18: A151
- English language spelling and pronunciation problems (N), AO 18: A132
- English spelling problems (N), AO 17: A215
- Format for typewritten references (N), JOSA 66: 514
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- International language, postal problems, AO 15: A123
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- Laser brochure (N), AO 13: 1454
- Liquid crystal bibliography (N), JOSA 64: 575
- Mechanics of editing (N), AO 14: A139
- Metric system, comments (N), AO 17: A131
- Modified typewriter keyboards (N), AO 17: A167
- More NBS publications (N), AO 13: 2108
- More NBS publications (N), AO 13: 2679
- More NBS publications (N), AO 15: 1431
- More NBS publications (N), AO 15: 1989
- More NBS publications (N), AO 17: 2028
- More NBS publications (N), AO 17: 2891
- More on the right to copy (L), AO 14: A142
- Name puzzle (N), AO 16: A6
- National Science Foundation: "An Index to Undergraduate Science, College Science Improvement Programs COSIP A & B Report" (N), AO 13: 2822
- National Technical Information Service (N), AO 13: 2601
- NBS publications (N), AO 16: 2021
- NBS to study computers and copyrights (N), AO 14: A144
- New copyright law (N), AO 17: A10
- New copyright law (N), JOSA 67: 1708
- New publication, Metric News (N), AO 13: 3A16
- Newsletter *The Transform*, new publication (N), AO 13: 903
- Optics Letters (N), JOSA 67: 713
- Optics News (N), JOSA 65: 108
- Page charges and the postal service (N), JOSA 67: 716
- Physics journals, costs and libraries (N), AO 17: A41
- Preparing scientific papers (N), AO 16: 3061
- Publication on editorial processing centers (N), AO 15: 558
- Publication problems and advertising poll *Applied Optics* (N), AO 13: 3A11
- Publishing of calculator programs (N), AO 17: A263
- Radiometric and infrared nomenclature (N), AO 13: 1088
- References to journal articles (N), JOSA 67: 268
- Review of technical books (N), AO 14: A118
- Salute to manuscript readers, JOSA 65: 1392
- Science Citation Index and optics journals (N), AO 16: A173
- Smithsonian series publications (N), AO 17: 2180
- Solar heated buildings: a brief survey. By W. A. Shurcliff (N), AO 13: 2080
- Soviet books on optics to be published during 1977 (N), AO 16: 259
- Space Optics, papers from ICO, 9th Congress (N), AO 13: 8A16
- Threat to scientific communication (N), AO 18: 320
- Transfer of copyright (N), JOSA 67: 1707
- Typewriter keyboards (N), AO 18: A85
- Typewriters (N), AO 16: A155
- Volume 15 *Applied Optics* summary (N), AO 16: A37
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## Pulses

- See also Lasers, Picosecond phenomena
- Backscattering of a picosecond pulse from densely distributed scatterers (ET), AO 18: 3484
- Beam wave two-frequency mutual-coherence function and pulse propagation in random media: an analytic solution (T), AO 18: 1613
- Coherent birefringent optical pulse compression (A), JOSA 69: 1474
- Comparison of synchronous pumping and passive mode-locking of cw dye lasers for the generation of picosecond and subpicosecond pulses (A), JOSA 68: 664
- Compression of frequency chirped optical pulses by a strongly dispersive grating pair (T), AO 18: 737
- Diffusion of a pulse in densely distributed scatterers (T), JOSA 68: 1045
- Effects of relaxation on coherent continuous pulse train propagation (A), JOSA 68: 1388
- Fast transient spectroscopy of the free carrier plasma edge in semiconductors (A), JOSA 66: 1073
- Gaussian pulse transmission through monomode fibers, accounting for source linewidth (T), AO 17: 2412
- Generation and measurement of 200 femtosecond optical pulses (A), JOSA 68: 666
- Generation of intense subnanosecond 0.58–0.80- $\mu$ m pulses with a flashlamp-pumped dye laser (E), AO 17: 2812
- Generation of intense ultrashort pulses at 10.6  $\mu$ m (A), JOSA 68: 667
- Generation of single ultrashort CO<sub>2</sub> laser pulses in a Fabry-Perot interferometer (E), OL 1: 161
- High-resolution spectrometers and picosecond pulse spectroscopy (A), JOSA 66: 1073
- Laser pulse discrimination by nonlinear optical techniques (A), JOSA 68: 1378
- Linear picosecond pulse shaping technique (A), JOSA 68: 1435
- Measurement of fast process using transient grating methods (A), JOSA 66: 1074
- Measurement of picosecond fluorescence by a streak-camera operating at a repetition rate of 140 MHz (A), JOSA 68: 665
- Mode locking with a slow saturable absorber in a transverse resonator (ET), OL 3: 226
- Nd:BEL, a new source of picosecond pulses (A), JOSA 66: 1073
- Optical pulse shaping with a grating pair (ET), AO 18: 2500
- Oscillating infrared saturability of p-Ge (A), JOSA 66: 1073
- Picosecond active pulse shaping (A), JOSA 69: 1484
- Picosecond photon echoes and self-induced transparency in Na (A), JOSA 68: 1630
- Picosecond pulse generation with a cw GaAlAs laser diode (A), JOSA 68: 1620
- Picosecond pulse stacking in calcite (ET) (L), AO 18: 947
- Pressure tuning of picosecond pulse transmission in germanium (A), JOSA 66: 1073
- Propagation of pulsed beam waves through turbulence, cloud, rain, or fog (T), JOSA 67: 1261
- Propagation of ultrashort pulses through lenses (T), AO 16: 1181
- Pulse broadening in a semi-infinite spatio-temporal random medium (A), JOSA 69: 1411
- Pulse compression in mode-locked lasers using intracavity self-phase modulation (A), JOSA 66: 1074
- Pulsewidth dependence of nonlinear transmission of picosecond pulses in germanium (A), JOSA 66: 1072
- Role of relaxation in the resonant interaction of light pulses with matter (T), AO 17: 3815
- Stable pulses of variable width from a mode-locked hybrid TEA-CO<sub>2</sub> laser (E), OL 4: 196
- Subpicosecond pulse generation in the synchronously mode-locked cw dye laser (A), JOSA 68: 666
- Synchronous generation of independently tunable ultrashort pulses by double mode-locking of the cw dye laser (A), JOSA 68: 1394
- Temporal shaping of picosecond optical pulses using a diffraction grating pair (A), JOSA 68: 1435
- Temporal spreading of a pulse propagating in a two-mode optical fiber (T), JOSA 69: 1596
- Theoretical maximum efficiencies for passive optical pulse shaping systems (T), JOSA 68: 919
- Theory of passive pulse compression in a fluorescent dye medium (A), JOSA 66: 1074
- Ultrafast pulse shaping with a traveling wave Kerr cell and picosecond rise time electrical pulses (E), AO 18: 4101
- Variable width pulses from a mode-locked TEA-CO<sub>2</sub> hybrid laser (A), JOSA 68: 1394
- Variation and control of pulse width and repetition rate from a passively mode-locked cw dye laser (A), JOSA 68: 1394

## Pumping

- See also Lasers
- Aluminum-coated Pyrex double-ellipse laser cavity (E) (L), AO 16: 2619
- Analysis of optically pumped CO<sub>2</sub> laser (T), AO 13: 2799
- Analysis of the effect of foreign gases in the filtering action of a <sup>85</sup>Rb cell (TE), JOSA 68: 1087
- Apparatus for uniform pumping of lasing media (P), AO 15: 2037
- Atomic calcium laser: pumped via collision-induced absorption (A), JOSA 68: 1645
- Collisional contributions to the dynamic Stark effect in coherently driven three-level systems (T), JOSA 68: 1293
- Continuous wave parametric wave-front conjugation and reproduction in sodium vapor by evanescent pump fields (A), JOSA 68: 1622



Cusp shape reflectors to pump disk or slab lasers (TE), AO 15: 2167

Device for optical pumping solid state lasers via waveguide (P), AO 17: 1986

Electrochemical pumping of laser dyes (E), AO 16: 61

Face-pumped liquid laser device (P), AO 14: A26

Flashlamp discharge and laser efficiency (TE), AO 13: 2300

Flashlamp drive circuit optimization for lasers (E), AO 16: 1578

Generation of time-reversed wave fronts by nonlinear refraction (T), JOSA 67: 1

Generation of time-reversed wave fronts by nonlinear refraction (errata), JOSA 68: 1155

High-energy  $\text{LiNbO}_3$  tunable source (A), JOSA 67: 255

High energy optical laser (P), AO 13: 2735

High-intensity  $\text{CO}_2$  laser pumping of a  $\text{CH}_3\text{F}$  Raman FIR laser (E), OL 4: 381

Inversion of the resonance line of  $\text{Sr}^+$  produced by optically pumping Sr atoms (E), OL 2: 115

Liquid cladding for face-pumped Nd:glass lasers (ET) (L), AO 13: 699

Multi-color face-pumped liquid laser device (P), AO 14: A26

Multi-color face-pumped liquid laser device (P), AO 14: A26

Multisided electron beam excited electrically pumped gas laser systems (P), AO 15: 582

Narrow bandwidth dye laser suitable for pumping by a short pulse duration  $\text{N}_2$  laser (E), AO 15: 1083

Nuclear-pumped gas lasers (P), AO 16: 2594

Optical Methods of Radio-Frequency Spectroscopy. By Ion I. Agarbiceanu and Ion M. Popescu (B), Reviewed by Bloom, Arnold L., JOSA 66: 504

Optical pump system for mode-controlled laser operation (E), AO 14: 1190

Photochemical stability of rare-gas halide laser-pumped dyes (E) (L), AO 16: 3079

Photolytically pumped  $\text{HgCl}$  and  $\text{XeF}$  lasers (A), JOSA 68: 1646

Prepulse enhancement of flashlamp pumped dye laser (ET), AO 13: 2100

Proton beams: efficient pumps for UV and visible lasers (A), JOSA 68: 1355

Pumping frequency for the  $17\text{-}\mu\text{m}$  ir emission from the cabbage looper moth sex scent (pheromone) (E) (L), AO 16: 1476

Quadaxial high repetition rate adapter for coaxial flashlamp pumping of laser dyes (E) (L), AO 18: 602

Saturable absorber properties of a laser dye; stimulated propagation of the pump flux (T), AO 18: 536

Saturation effects in laser induced fluorescence spectroscopy (T), AO 16: 568

Self-contained LED-pumped single-crystal Nd:YAG fiber laser (A), JOSA 67: 708

Simmer-enhanced flashlamp-pumped dye laser (E) (L), AO 18: 1131

Small dye laser in a semiunstable resonator, pumped by an argon-jet guided spark (ET), AO 13: 2816

Solar pulser for laser pumping (P), AO 18: 3488

Spectroscopic studies of electron-beam-pumped Ar- $\text{N}_2$  laser characteristics (A), JOSA 68: 1356

Standardizing optically pumped laser materials (P), AO 13: 2735

Synchronous, mode-locked pumping of gas lasers (ET), OL 4: 6

Transverse flow flashlamp pumped dye laser (E), AO 15: 1494

Tunable infrared molecular lasers optically pumped by a hydrogen-bromide laser (P), AO 13: 2961

Tunable kilowatt  $^{12}\text{CH}_3\text{F}$ -laser emission from an unstable resonator (E), OL 3: 229

Ultraviolet lasers pumped by intense proton beams (A), JOSA 68: 1646

Ultraviolet spectral efficiencies of surface-spark discharges with emphasis on the iodine photodissociation laser pumpband (E), AO 16: 1572

Vortex stabilized electric arc (P), AO 15: 1670

Vortex stabilized flashlamps for dye laser pumping (ET), AO 13: 46

## Pyrometers

Influence of black coatings on pyroelectric detectors (ET), AO 13: 1171

Laser scanning microscope for pyroelectric display in real time (ET), AO 15: 2150

Low temperature disappearing filament optical pyrometer (P), AO 15: 11

Thermal modulation transfer function analysis of pyroelectric device characteristics (TE), AO 15: 1767

## Q-switching

See also Lasers

Arc operated (P), AO 16: 2341

Chirped acousto-optic device (P), AO 18: A213

Double pulse laser (P), AO 13: 11A26

Electrooptic (P), AO 16: 2341

Exploding PbS film Q-switch laser (E), AO 17: 635

High gain IR laser in passive Q-switching: operating criterion (TE), AO 15: 1535

India ink Q-switch (N), AO 14: 553

Laser Q-switching (P), AO 13: 2735

Laser resonator: electrooptically Q-switched Porro prism device (TE), AO 15: 1942

Passive-Q-switching at high intensities and high absorber pressures (E), AO 15: 1530

Passive Q-switching of a  $\text{CO}_2$  laser by  $\text{CH}_3\text{F}$ : an analysis (ET), AO 16: 2757

Q-switched laser system (P), AO 13: 1251

Q-switching laser system having electronically controlled output coupling (P), AO 13: 7A26

Resonant-mode analysis of single-mode face pumped lasers (TE), AO 16: 1067

Single Pockels cell double pulsing scheme (P), AO 15: 2296

Synchronously driven Q-switched or Q-switched-mode-locked laser oscillator (P), AO 14: A77

Totally internally reflective prisms as the reflector (P), AO 15: 583

## Quantum efficiency

Effective quantum efficiency of photodetectors for photon energies much larger than threshold (L), AO 15: 305

Photoacoustical measurement of absolute quantum efficiencies in solids (A), JOSA 68: 1388

Poster illustrates typical quantum efficiencies of photocathode materials in photomultipliers (N), AO 17: 3303

Quantum efficiency independence of the time integrated emission from a fluorescent molecule (TE), AO 15: 3135

Quantum efficiency of a channel electron multiplier in the far ultraviolet (E) (L), AO 14: 2823

Quantum efficiency of the eye determined by comparison with a TV camera (E), JOSA 64: 1706

## Quantum electronics

See also Lasers

Advances in Quantum Electronics, Volume 3. Edited by D. W. Goodwin (B), Reviewed by Sinclair, Douglas C., JOSA 67: 410

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Los Angeles Chapter of the Quantum Electronics Applications Society has been founded (N), AO 18: 1526

National Conference at Southampton report (N), AO 17: A140

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Picosecond Raman gain from a surface monolayer (A), JOSA 69: 1436

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Tunable cw alexandrite lasers (A), JOSA 69: 1436

## Quantum mechanics

Advanced Molecular Quantum Mechanics. By Richard E. Moss (B), Reviewed by McDaniel, Earl W., AO 13: 4A18

## Quantum optics

See also Coherence

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Effects of spatial hole burning on distributed feedback laser operation (A), JOSA 68: 700

Estimation of optical field mean intensities from photocount correlations (ET), AO 13: 2171

Josephson junction arrays as parametric amplifiers (A), JOSA 68: 701

Quantum optical coherence effects in superconducting tunnel junctions (A), JOSA 68: 701

Statistical properties of ensembles of classical wave packets (T), JOSA 65: 421

Sub-Poissonian photon statistics in resonance fluorescence (T), OL 4: 205

Superradiance and swept-gain superradiance in  $\text{CH}_3\text{F}$  (A), JOSA 68: 700

Superradiant emission from electron beam excited POPOP dye vapor (A), JOSA 68: 701

Time-dependent spectra (T) (L), JOSA 69: 1043

Wigner distribution in optics (A), JOSA 69: 1467

## Quantum theory

Absorption spectrum of Ba I between 1770 and 1560 Å (TE), JOSA 68: 817

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- ## Quartz
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- In situ* imaginary refractive index measurements of quartz dust with a CO<sub>2</sub> laser spectrophone (A), JOSA 67: 257
- Optical constants of crystalline and fused quartz in the far ultraviolet (E), AO 16: 2212
- Optics of bianisotropic media (T), JOSA 64: 1304
- Transmittance of cultured crystalline quartz in the vacuum ultraviolet before and after electron irradiation (E), AO 17: 2310
- Transmittance of synthetic crystalline quartz from 2000 to 1450 Å (A), JOSA 64: 1383
- ## Radar
- Distortions of synthetic aperture radar imagery due to target motion (T) (L), AO 13: 471
- Focusing properties of synthetic aperture radar interferograms having range curvature aberrations (T), AO 18: 2580
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- Blackbody temperature for threshold visibility (ET) (L), AO 13: 221
- Cavity radiators: an ecumenical theory (T), AO 15: 84
- Cerenkov radiation in anisotropic crystals (A), JOSA 65: 1166
- Circumsolar sky radiation and turbidity of the atmosphere (TE), AO 13: 474
- Classical electromagnetic zero-point radiation (A), JOSA 65: 1206
- Coherence of super-radiant pulses in semiclassical radiation theory (A), JOSA 66: 1076
- Coherent birefringent optical pulse compression (A), JOSA 69: 1474
- Continuous K/S minimizing distributions in Kubelka-Munk systems (T), JOSA 67: 169
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- Determination of areas and temperatures from composite blackbody spectra (T), JOSA 65: 559
- Diagnostics of Shiva Nova high-yield thermonuclear events (E), JOSA 68: 1731
- Diffusion of a pulse in densely distributed scatterers (T), JOSA 68: 1045
- Dominance of tropospheric sulfate in modifying solar radiation (A), JOSA 67: 257
- Energy transfer from an excited dye molecule to the surface plasmons of an adjacent metal (ET), OL 4: 236
- Equivalence theorems for planar sources that generate the same distributions of radiant intensity (T), JOSA 69: 942
- Excitation of a spherical resonant medium by an external field (T), JOSA 69: 882
- Far-flung collectors pick up super radiation sources (N), AO 18: A200
- Fulfillment of Kirchhoff's law in a nonequilibrium radiative environment (A), JOSA 65: 1205
- Influence of airborne particles (aerosols) on the earth's radiation balance (A), JOSA 67: 260
- Infrared radiation extinction sensitivity to the modified gamma distribution parameters for haze and fog droplet polydispersions (TE), AO 15: 2906
- Infrared spectral radiance of a hot source through an atmospheric path (T) (L), AO 15: 2613
- Integration of Planck's equation by the Laguerre-Gauss quadrature method (T), JOSA 64: 1445
- Laser engines operating by resonance absorption (T), AO 15: 1141
- Light emission by electric and magnetic dipoles close to a dielectric interface (A), JOSA 68: 1406
- Light emission by magnetic and electric dipoles close to a plane interface. I. Total radiated power (T), JOSA 67: 1607
- Light emission by magnetic and electric dipoles close to a plane interface. I. Total radiated power (errata), JOSA 68: 1155
- Light emission by magnetic and electric dipoles close to a plane dielectric interface. II. Radiation patterns of perpendicular oriented dipoles (T), JOSA 67: 1615
- Light emission by magnetic and electric dipoles close to a plane dielectric interface. II. Radiation pattern of perpendicular oriented dipoles (errata), JOSA 68: 1155
- Local effective emissivity of conical cavities (T), AO 18: 3810
- Low V-number optical fibers: secondary maxima in the far-field radiation pattern (E), JOSA 69: 1587
- Means for integrating erythral spectral radiation (P), AO 15: 1360
- Medical and environmental radiation measurements (N), AO 16: 2012
- Monte Carlo studies of the sky radiation at twilight (T), AO 13: 534
- Multi-channel analyzer (P), AO 14: A26
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- Nimbus-6 earth radiation budget experiment (E), AO 16: 306
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- Optimum conditions for superradiant damping (A), JOSA 65: 1181
- Photon occupation numbers in black body radiation (T) (L), JOSA 69: 1038
- Planck's Radiation Law. By Hans Kangro (B). Reviewed by Howard, John N., AO 18: 1232
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- Quasi-monochromatic calibration source for the wavelength range from 0.22μm to 7.0μm (E), AO 13: 1397
- Radiance distribution over a ruffled sea: contributions from glitter, sky, and ocean (T), AO 15: 3161
- Radiant energy detection system (P), AO 18: 3818
- Radiation and remote probing of the atmosphere, International conference on, UCLA, 28-30 Aug 1973 (M), Reported by Bullrich, Kurt, AO 13: 7
- Radiation effects in light pipes and light pipe isolators (E) (L), AO 13: 1272
- Radiation effects on the transmission of various optical glasses and epoxies (E) (L), AO 18: 1132
- Radiation induced transmission loss in optical materials (E), AO 18: 2618
- Radiation in the earth's atmosphere-ocean system with ocean waves (A), JOSA 64: 1390
- Radiation in the earth's atmosphere: its radiance, polarization, and ellipticity (T), AO 15: 2489
- Radiation of electromagnetic fields in biaxially anisotropic media (T), JOSA 68: 502
- Radiation pattern for a diffuse wall cavity, nonuniform in temperature and emissivity (T) (L), AO 16: 2038
- Radiation physics, conference, Hamburg, 22-26 Jul 1974 (N), JOSA 64: 258
- Radiative interference in two-photon processes (A), JOSA 67: 1398
- Radiometric calibrations for the earth radiation budget experiment (E), AO 13: 523
- Reflection and refraction of an arbitrary wave at a plane interface separating two uniaxial crystals (T), JOSA 67: 683
- Relations between amplitude reflectances and phase shifts of the p and s polarizations when electromagnetic radiation strikes interfaces between transparent media (T) (L), AO 18: 1884
- Rocket calibration of the Nimbus 6 solar constant measurements (E), AO 16: 2690
- Satellite observations of atmospheric water vapor (ET), AO 13: 507
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- Seminar notebooks & audio cassette packages (N), AO 17: 3244
- Similarities and dissimilarities in the biological effects of laser and ultrasonic radiation (A), JOSA 69: 1440



- Smith-Purcell radiation from a line charge moving parallel to a reflection grating with rectangular profile (T), JOSA 64: 325
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- Spectral radiative flux divergence and its variability in the troposphere in the 0.4-2.4- $\mu$  region (E), AO 13: 478
- Statistical properties of synchrotron radiation (T), JOSA 64: 1433
- Sub-Poissonian photon statistics in resonance fluorescence (T), OL 4: 205
- Super-radiant decay in Josephson junctions (A), JOSA 66: 1076
- Synchrotron radiation facilities available at Stanford and Wisconsin (N), AO 14: 2084
- Synchrotron radiation facilities available at Stanford and Wisconsin (errata), AO 14: 3085
- Theoretical Principles of Optoelectronic Devices. By M. M. Miroshnikov (B), Reviewed by Glass, Reuben C., AO 18: 2012
- Transfer of infrared radiation through clouds (ET), AO 13: 512
- Transfer requirements for target radiance simulation in optical projection simulators (T), AO 14: 124
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## Radiation transfer

- Albedo of the ocean-atmosphere system: influence of sea foam (T), AO 16: 2257
- Approximate method for radiative transfer in scattering absorbing plane-parallel media (T), AO 17: 364
- Atmospheric scattering of middle UV radiation from an internal source (T), AO 17: 3216
- Atmospheric transmittance of an absorbing gas. 3: A computationally fast and accurate transmittance model for absorbing gases with variable mixing ratios (ET), AO 18: 1600
- Aureole radiance field about a source in a scattering-absorbing medium (T), AO 17: 1911
- Backscattering of a picosecond pulse from densely distributed scatterers (ET), AO 18: 3484
- Color of the ocean (T), AO 17: 1432
- Comparison of the photon diffusion model and Kubelka-Munk equation with the exact solution of the radiative transport equation (T) (L), AO 13: 236
- Computed relationships between the inherent and apparent optical properties of a flat homogeneous ocean (T), AO 14: 417
- Continuous  $K/S$  minimizing distributions in Kubelka-Munk systems (T), JOSA 67: 169
- Diffuse reflectance from a finite blood medium: applications to the modeling of fiber optic catheters (TE), AO 15: 2059
- Diffuse reflectance of the ocean: some effects of vertical structure (T), AO 14: 2892
- Diffuse reflectance of the ocean: the theory of its augmentation by chlorophyll *a* fluorescence at 685 nm (T), AO 18: 1161
- Diffusion approximation for large absorption in radiative transfer (T), AO 18: 1204
- Diffusion of a short pulse in randomly distributed scatters (A), JOSA 67: 1367
- Earth-atmosphere albedo relationships for realistic atmospheres (A), JOSA 67: 261
- Effective infrared optical depths associated with the clear ocean (T), AO 17: 3054
- Estimation of the depth of sunlight penetration in the sea for remote sensing (T), AO 14: 413
- Extending radiative transfer models by use of Bayes's rule (A), JOSA 67: 260
- Geometrical vector flux and some new nonimaging concentrators (T), JOSA 69: 532
- Ideal flux concentrators as shapes that do not disturb the geometrical vector flux field: a new derivation of the compound parabolic concentrator (T), JOSA 69: 536
- Improved diffusion approximation to radiative transfer in atmospheres and clouds (A), JOSA 67: 261
- Influence of bottom depth and albedo on the diffuse reflectance of a flat homogeneous ocean (T), AO 13: 2153
- Influence of clouds, haze, and smog on the middle ultraviolet reaching the ground (T), AO 13: 2405
- Influence of measured reflection properties of vegetated surfaces on atmospheric radiance and its polarization (T), AO 17: 260
- Inversion methods in atmospheric remote sounding: an interactive workshop, Williamsburg, 15-17 Dec 1976 (M), Reported by Lenoble, Jacqueline, AO 16: 1120
- Investigation of Tatarskii into the relationship between coherence theory and the theory of radiative transfer (T), JOSA 67: 465
- Irradiance attenuation coefficient in a stratified ocean: a local property of the medium? (A), JOSA 68: 1424
- Iterative model of multiple scattering in fogs (A), JOSA 68: 1357
- Laser beam propagation in particulate media (T), JOSA 69: 68
- Limitations of approximate Fourier techniques in solving radiative-transfer problems (T) (L), JOSA 69: 1719
- Modified six-flux method for three-dimensional radiative transfer (A), JOSA 69: 1399
- Multiple scattered radiation emerging from Rayleigh and continental haze layers. 1: Radiance, polarization, and neutral points (T), AO 15: 632
- Multiple scattered radiation emerging from Rayleigh and continental haze layers. 2: Ellipticity and direction of polarization (T), AO 15: 1003
- Multiple scattering calculation of the middle ultraviolet reaching the ground (T), AO 13: 1567
- New stochastic model of energy transport in electromagnetic fields as basis for the theory of radiative transfer (A), JOSA 64: 1398
- Ocean color spectrum calculations (T), AO 13: 2422
- One-parameter characterization of the ocean's inherent optical properties for remote sensing (T) (L), AO 16: 2627
- Optical properties of turbid media with specularly reflecting boundaries: applications to biological problems (T), AO 16: 2007
- Radiance produced by laser radiation transversing a particulate multiple-scattering medium (T), JOSA 67: 815
- Radiance produced by laser radiation traversing a particulate multiple-scattering medium (T) (errata), JOSA 67: 1695
- Radiation transfer with polarization in the earth's atmosphere (A), JOSA 64: 1389
- Radiative energy transfer in a randomly fluctuating medium (A), JOSA 68: 1420
- Radiative transfer for imaging purposes (A), JOSA 67: 261
- Radiative transfer in closely packed media (T), JOSA 67: 1339
- Radiative transfer in rural, urban, and maritime model atmospheres (A), JOSA 67: 260
- Radiative transfer in the earth's atmosphere and ocean: influence of ocean waves (T), AO 14: 1924
- Radiative transfer in the ocean: a method for determination of absorption and scattering properties (E) (L), AO 15: 2611
- Radiative transfer in two dimensions through fog (T), AO 17: 1797
- Radiative transfer: technique for simulating the ocean in satellite remote sensing calculations (T), AO 15: 1974
- Ratio measurement of diffuse to direct solar irradiances in the middle ultraviolet (E), AO 15: 1182
- Reflectance of a flat ocean in the limit of zero water depth (T) (L), AO 16: 282
- Relationships between Secchi depth and inherent optical properties of natural waters (T) (L), AO 17: 3441
- Remote sensing of optical properties in continuously stratified waters (T), AO 17: 1693
- Removal of atmospheric effects from satellite imagery of the oceans (T), AO 17: 1631
- Retrieval of aerosol size distributions by inversion of simulated aureole data in the presence of multiple scattering (T), AO 18: 1376
- Review of radiative transfer methods in scattering atmospheres (A), JOSA 67: 260

- Scattering-independent determination of the thermal-emission profile of a planetary atmosphere and related radiative-equilibrium considerations (T), JOSA 64: 145
- Scattering of light by dielectric particles: a statistical theory (T), JOSA 69: 1554
- Scattering of solar radiation by hexagonal ice crystals (T), AO 18: 2663
- Simple strategies for inclusion of Voigt effects in infrared cooling rate calculations (T), AO 18: 2634
- Single and multiple scattering contributions to circumsolar radiation (T), AO 17: 3794
- Single-scattering solution for radiative transfer through a turbid atmosphere (T), AO 17: 3431
- Six-beam models in radiative transfer theory (T), AO 15: 3155
- Solutions of a modified transport equation for multiple scattering in suspensions of highly anisotropic scatterers (T), JOSA 64: 503
- Solution to the radiative transfer equation employing a semianalytic integration over optical depth (A), JOSA 67: 261
- Thermal emissivity of semitransparent and opaque films of cholesteric liquid crystal (E), AO 17: 3051
- Transfer of infrared radiation through clouds (ET), AO 13: 512
- Tropospheric UV flux calculations and photolysis rates for use with zonally and diurnally averaged models (T), AO 18: 3421
- Ultraviolet aureole around a source at a finite distance (T), AO 17: 1923

## Radiometers

- Active cavity radiometer type IV (E), AO 18: 179
- Calibration of long wavelength Exotech model 20C spectroradiometer (E), AO 18: 2334
- Characterization of silicon photodetectors based on an electrically calibrated pyroelectric radiometer (A), JOSA 65: 1179
- Determination of the complex refractive index of aerosol particles from bistatic lidar and solar radiometer measurements (A), JOSA 67: 259
- Electrically calibrated pyroelectric radiometer-error analysis and performance (A), JOSA 65: 1178
- Electrically calibrated radiometer using a thin film thermopile (E), AO 17: 3067
- Filter radiometer: the selective interferometer (T), AO 15: 2667
- Ground mapping resolution accuracy of a scanning radiometer from a geostationary satellite (T), AO 16: 1619
- Hand-held spectral radiometer to estimate gramineous biomass (E), AO 15: 416
- High-sensitivity infrared heterodyne radiometer using a tunable-diode-laser local oscillator (E), OL 1: 84
- Infrared radiometer for the Pioneer 10 and 11 missions to Jupiter (E), AO 13: 2623
- Infrared radiometer for the Pioneer Venus orbiter. 1: Instrument description (E), AO 18: 3893
- Interpretation of IR scanning radiometer data (E), AO 18: 82
- Low-temperature blackbody for calibrating wide-field-of-view radiometers (A), JOSA 64: 546
- Measurement of geometrically total spectral flux (A), JOSA 64: 1405
- Photon-counting polarizing radiometer (E), AO 13: 497
- Pioneer Venus radiometer light pipes (L), AO 16: 2344
- 4-Pi spectroradiometer (A), JOSA 66: 1124
- Radiometer to monitor low levels of ultraviolet irradiance (E), AO 13: 493
- Ray tracing in optical rods (A), JOSA 66: 1122
- Total ozone determination with a mobile spectroradiometer (A), JOSA 68: 1433

## Radiometry

- Absolute photon-flux measurements in the vacuum ultraviolet (ET), JOSA 64: 47
- Absolute radiometric calibration of detectors between 200-600 nm (E), AO 14: 1029
- Absolute radiometric measurements of the emission from a BRV source at 34 nm (E) (L), AO 16: 1786
- Active cavity radiometer type IV (E), AO 18: 179
- Angular properties of blackbody simulators (T), AO 14: 2665



- Approach for the design of blackbody simulators (L), AO 14: 249
- A ♀ question (L), AO 14: 2033
- Astro 7 zodiacal light UV polychromator and its absolute radiometric calibration (E), AO 17: 730
- Atmospheric scattering corrections to solar radiometry (T), AO 18: 1941
- Attenuation-calibration system (A), JOSA 66: 1096
- Background effects on the relative changes of radiance (A), JOSA 64: 546
- Bandpass filters for use in the visible region (E), AO 16: 1908
- Calibration of infrared instruments for the remote sounding of atmospheric temperature (E), AO 16: 319
- Calibration of radiation detectors in the VUV using a wall-stabilized Ar-cascade arc (E), AO 18: 2275
- Calibration of radiation instruments for the measurement of the radiant flux of an arbitrary source (TE), AO 16: 302
- Calibration of satellite radiation instruments, AO 16: 295
- Cavity radiators: an ecumenical theory (T), AO 15: 84
- Chopping factors for circular and square apertures (T), AO 15: 80
- Coherence and radiometry (A), JOSA 67: 1413
- Coherence and radiometry (R), JOSA 68: 6
- Coherence and radiometry with quasihomogeneous sources (A), JOSA 66: 1075
- Coherence and radiometry with quasihomogeneous planar sources (T), JOSA 67: 785
- Controlled generation and absolute calibration of radiant incidence in low-background test facilities for infrared space sensors (ET), AO 14: 1021
- Conversion by reflection of line-source radiation into an arbitrary irradiance pattern (A), JOSA 64: 1357
- CORM, sixth annual meeting, National Bureau of Standards, 7 June 1977 (M), Reported by Karoli, A. R., AO 16: 2587
- Current definitions of reflectance (T), JOSA 65: 1129
- Data on solar irradiance at ground level (A), JOSA 69: 1400
- Determination of polarization in optical instruments and its metrological implications (ET), AO 13: 2228
- Deuterium lamp as a UV continuum source from 160 nm to 320 nm for space applications (E), AO 18: 3938
- Differences in radiance: relative effects of temperature changes and emissivity changes (T), AO 14: 1937
- Diffraction corrections in radiometry: comparison of two different methods of calculation (TE), AO 14: 2002
- Diffraction corrections in the radiometry of extended sources (TE), AO 15: 1204
- Diffraction losses associated with tungsten lamps in absolute radiometry (T), AO 14: 197
- Efficiency limitations imposed by thermodynamics on optical coupling in fiber-optic data links (T), JOSA 65: 1479
- Efficient averaging spheres for visible and ultraviolet wavelengths (ET), AO 14: 1940
- Electrically calibrated pyroelectric radiometer without optical chopping (A), JOSA 69: 1401
- Emissivities of diffuse cavities: isothermal and nonisothermal cones and cylinders, JOSA 64: 339
- Emissivities of diffuse cavities. II: Isothermal and nonisothermal cylindro-cones (T), JOSA 65: 565
- Emissivities of diffuse cavities. III: Isothermal and nonisothermal double cones (T), JOSA 66: 724
- Existence of a radiance function for finite planar sources of arbitrary states of coherence (T), JOSA 69: 192
- Field spectroscopy for multispectral remote sensing: an analytical approach (ET), AO 13: 1487
- Flux conversion nomograph (T) (L), AO 15: 1105
- Global monitoring of stratospheric halogen compounds from a satellite using gas filter spectroscopy in the solar occultation mode (TE) (errata), AO 16: 1479
- Global monitoring of stratospheric halogen compounds from a satellite using gas filter spectroscopy in the solar occultation mode (TE), AO 16: 607
- Handbook of Optics. Edited by Walter G. Driscoll and William Vaughan (B), Reviewed by Wright, W. D. AO 18: 416
- High accuracy laser power measurements: a scale comparison (E), AO 18: 1937
- High-temperature emissivities of copper, aluminum, and silver (E), JOSA 67: 32
- How incoherent are Lambertian sources? (A), JOSA 64: 545
- Ideal concentrators for finite sources and restricted exit angles (T), AO 15: 2880
- Incoherent imaging of self-radiating objects by systems with a large  $F$  number (A), JOSA 69: 1400
- Influence of black coatings on pyroelectric detectors (ET), AO 13: 1171
- Infrared reflectometry with a cavity-shaped pyroelectric detector (E), AO 13: 2212
- Integrating spheres for measurements between 0.185  $\mu\text{m}$  and 12  $\mu\text{m}$  (E), AO 14: 1137
- Integration of Planck's equation by the Laguerre-Gauss quadrature method (T), JOSA 64: 1445
- Interpretation of IR scanning radiometer data (E), AO 18: 82
- Investigation of Tatarskii into the relationship between coherence theory and the theory of radiative transfer (T), JOSA 67: 465
- Local effective emissivity of conical cavities (T), AO 18: 3810
- Low-background large-aperture infrared measurement facility: design considerations (T), AO 17: 3541
- Low-background large-aperture infrared measurement facility: performance (E), AO 17: 3547
- Low-temperature emissivities of copper and aluminum (E), JOSA 67: 39
- Measurement of geometrically total spectral radiant power (ET), AO 14: 1035
- Measurement of the earth radiation balance as an instrument design problem (E), AO 16: 297
- Measurements on Lambertian objects: some novel approaches (TE), AO 14: 1150
- Multidecade linearity measurements on Si photodiodes (E), AO 18: 1555
- Nimbus-6 earth radiation budget experiment (E), AO 16: 306
- Noise spectrum caused by pointing error (T) (L), AO 15: 604
- Optical system for the automatic Abel inversion of emission from a cylindrical volume radiator (T), JOSA 67: 44
- Optics of Nonimaging Concentrators. By W. T. Welford and R. Winston (B), Reviewed by Hunter, W. R., AO 18: 1127
- Photometer calibration problem for extended astronomical sources: comments (ET) (L), AO 15: 2620
- Photon scalar irradiance meter (E) (L), AO 18: 1698
- Polarization-sensitive spectroradiometer: two methods for overcoming the problems of measuring reflectance spectra (E), AO 18: 548
- Precision emittance measurement with an interferometer spectrometer (A), JOSA 64: 546
- Propagation of the generalized radiance through optical instruments (A), JOSA 68: 1404
- Propagation of the generalized radiance through lenses (T), JOSA 68: 1606
- Quantum efficiency of the  $p$ - $n$  junction in silicon as an absolute radiometric standard (T) (L), AO 18: 760
- Question of the existence of nonradiating primary planar sources of finite extent (T), JOSA 68: 1281
- Radiance theorem and optical invariants in anisotropic media (T), JOSA 65: 668
- Radiation pattern for a diffuse wall cavity, nonuniform in temperature and emissivity (T) (L), AO 16: 2038
- Radiation standards (E), AO 16: 300
- Radiometer probe (P), AO 15: 2946
- Radiometric and infrared nomenclature (N), AO 13: 1088
- Radiometric and Photometric Characteristics of Materials and Their Measurement. Bureau Central de la CIE (B), Reviewed by Hammond, Harry K., III, AO 17: 159
- Radiometric and photometric characteristics of materials and measurement report (N), JOSA 67: 1604
- Radiometric calibrations for the earth radiation budget experiment (E), AO 13: 523
- Radiometric Calibration: Theory and Methods. By Clair L. Wyatt (B), Reviewed by Lovell, D. J., AO 18: 1545
- Radiometric errors caused by diffraction from circular apertures: edge effects (TE), AO 16: 377
- Radiometric laws with partially coherent light (A), JOSA 69: 1414
- Radiometric properties of isothermal, diffuse wall cavity sources (T), AO 13: 2142
- Radiometry as a branch of physical optics (A), JOSA 65: 1204
- Radiometry of partially coherent fields (A), JOSA 66: 1075
- Radiometry of phototherapy (A), JOSA 64: 536
- Radiometry technical group radiometric aspects of the coherent infrared transceiver (A), JOSA 66: 1138
- Radiometry with sources of any state of coherence (T), JOSA 64: 1219
- Rayleigh: interpretation of the unit in terms of column emission rate or apparent radiance expressed in SI units (T), AO 15: 1966
- Rayleigh-Sommerfeld diffraction theory, partial coherence and Lambert's Law (A), JOSA 67: 1366
- Rayleigh, the unit for light radiance (T), AO 13: 2160
- Rayleigh, the unit for light radiance: comment (L), AO 14: 559
- Reduction of diffraction errors in radiometry by means of toothed apertures (E), AO 17: 3323
- Reflecting-optics system for uniform spherical illumination (A), JOSA 64: 565
- Second-order correlation and radiometry (A), JOSA 67: 1366
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- Silicon carbide infrared cavity radiator (E) (L), AO 16: 2358
- Solar cell spectral response characterization (E), AO 18: 3942
- Solar constants and radiometric scales (T), AO 16: 1628
- Solar irradiance measurements by means of optical fibers and silicon detectors (E), AO 18: 2902
- Some calculational results using multicolor radiation inversion (A), JOSA 69: 1401
- Spectral-absorbance measurements for laser calorimetry (TE), JOSA 65: 573
- Spectral distribution of Australian daylight (E), JOSA 68: 437
- Spectral irradiance intercomparison (A), JOSA 67: 1412
- Spectral irradiance measurements: effect of UV-produced fluorescence in integrating spheres (E) (L), AO 15: 827
- Spectral irradiance standard for the ultraviolet: the deuterium lamp (E), AO 17: 593
- Spectral radiance calibrations between 165–300 nm: an interlaboratory comparison (E) (L), AO 16: 1788
- Spectroradiometric calibration techniques in the far ultraviolet: a stable emission source for the Lyman bands of molecular hydrogen (E), AO 14: 2133
- Symmetrical and asymmetrical ideal cylindrical radiation transformers and concentrators (T), JOSA 69: 325
- Temperature dependent response of optical radiation measurement instrumentation (E), AO 16: 2968
- Temperature variation of total hemispherical emissivity of stainless steel AISI 304 (E), JOSA 69: 1384
- Terminology of reflection, transmission, scattering, and emission: adjustment of concepts (T) (L), AO 17: 157
- Theorem on the uniqueness of the generalized radiance (T), OL 3: 127
- Thermal radiation from metal surfaces (T), JOSA 68: 1505
- Time response of NBS windowless XUV radiometric transfer standard detectors (E) (L), AO 14: 1764
- Total hemispherical emissivities of copper, aluminum, and silver (E), AO 16: 2810
- Total hemispherical emissivity of copper (TE), JOSA 68: 1516



- Transfer of infrared radiation through clouds (ET), AO 13: 512
- Typical photoefficiency between 20–250 eV of windowless XUV photodiodes with tungsten and anodized aluminum oxide photocathodes (E) (L), AO 17: 1489
- Ultra-black coating for optical and solar devices (A), JOSA 69: 1400
- Unfolding first and second order diffracted radiation when using synchrotron radiation sources: a technique (E), AO 14: 1391
- Vacuum ultraviolet absolute radiometry utilizing total blackbody radiation (E), AO 15: 440
- Vacuum ultraviolet radiation scales: an accurate comparison between plasma blackbody lines and synchrotron radiation (E), AO 16: 2477
- Vacuum ultraviolet radiometry below 100 nm: the high-power hydrogen arc as a standard source of continuum radiation between 53 nm and 92 nm (E), AO 18: 2586
- Vacuum ultraviolet radiometry with hydrogen arcs. 2: The high power arc as an absolute standard of spectral radiance from 124 nm to 360 nm (E), AO 14: 2121
- Vacuum ultraviolet radiometry. 3: The argon mini-arc as a new secondary standard of spectral radiance (E), AO 16: 367
- Viking infrared thermal mapper (errata), AO 17: 2132
- Viking infrared thermal mapper (E), AO 17: 1243
- Walther's definitions of generalized radiance (T) (L), JOSA 64: 1273
- Walther's definitions of generalized radiance: reply (L), JOSA 64: 1275
- Windowless-diode radiometric transfer standards from 200 to 1200 Å (A), JOSA 64: 547

## Raman effect

- See also Scattering, Raman; Spectroscopy, molecular; Spectroscopy, Raman
- Analysis of Fabry-Perot interferograms of periodic spectra (T), JOSA 64: 871
- Characteristics of a fiber-optic Raman laser (E), AO 16: 1239
- Continuous-wave fiber-optic Raman laser (A), JOSA 66: 1114
- Continuous-wave optical-fiber Raman oscillator employing a two-mirror resonator configuration (E) (L), AO 17: 3032
- Continuous-wave tunable near-infrared (1.085–1.175- $\mu$ m) Raman oscillator (E), OL 1: 96
- Diffraction grating use to reject fluorescence from a tunable dye laser (E) (L), AO 14: 811
- Efficient higher-Stokes-order Raman conversion in molecular gases (E), OL 4: 398
- Efficient Raman conversion of XeCl-laser radiation in metal vapors (E), OL 3: 215
- Fabry-Perot interferograms of periodic spectra of molecules with large rotational constants (T) (L), JOSA 65: 219
- Handbuch der Physik, Gruppe 5: Optik, Band 25, Teil 2b, Licht und Materie 1b. By Joseph L. Birman (B), Reviewed by Meijer, Paul H. E., AO 16: 792
- High-efficiency tunable cw fiber Raman oscillator (A), JOSA 67: 250
- History of the Raman effect (N), AO 17: A239
- Hot electron effect in *n*-InSb Raman spin-flip laser (A), JOSA 68: 1435
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- Laser Raman a fibre émettant dans un très large domaine spectral (E), AO 17: 1208
- Laser system employing Raman anti-Stokes scattering (P), AO 14: A77
- Measurement of gas properties: comments on the laser Raman workshop (M), Reported by Lapp, Marshall; Penney, C. M., AO 13: 9A14
- 16- $\mu$ m generation by CO<sub>2</sub>-pumped rotational Raman scattering in H<sub>2</sub> (E), OL 3: 144
- Multireflection Raman cell: a design (TE), AO 14: 3092
- New technique for measurement of Raman depahsing dynamics (A), JOSA 68: 1625
- Picosecond Raman gain from a surface monolayer (A), JOSA 69: 1436
- Production of the stimulated Raman lines in H<sub>2</sub> gas with a focused laser beam (ET), JOSA 64: 202
- Quenching of two-photon fluorescence and stimulated anti-Stokes emission in rhodamine solutions (E), AO 18: 1383
- Raman and fluorescent scattering by molecules embedded in spheres with radii up to several multiples of the wavelength (T), AO 18: 1172
- Raman Effect, Volume 2: Applications. Edited by Anthony Anderson (B), Reviewed by Lauer, James L., JOSA 64: 407
- Raman Effect, Volume 2: Applications (errata), JOSA 64: 1155
- Raman Effect, Volume 1: Principles; Volume 2: Applications. Edited by A. Anderson (B), Reviewed by Levin, Ira W., AO 13: 2436
- Raman 1.1  $\mu$ m fiber oscillator tuned by group velocity dispersion (A), JOSA 67: 709
- Retroreflecting multipass cell for Raman scattering (E), AO 16: 2004
- Rotational Raman interferometric technique to measure gas temperatures (TE), AO 14: 383
- Special publication to Commemorate the Golden Jubilee of the Discovery of the Raman Effect (N), AO 17: 434
- Spectroscopy at very high pressures. 14: Laser Raman scattering in ultrasmall samples in a diamond anvil cell (E), AO 16: 2572
- Stimulated Raman threshold measurements in H<sub>2</sub> gas using a single axial mode Q-switched Nd:YAG laser (A), JOSA 68: 1395
- Theory of a cw fiber Raman oscillator (A), JOSA 68: 1383
- Vibrational and rotational-translational temperatures in N<sub>2</sub> by interferometric measurement of the pure rotational Raman effect (E), JOSA 65: 392
- Waveguide H<sub>2</sub> Raman laser (E) (L), AO 15: 2005

## Rangefinders

- Empfangsleistung in Abhängigkeit von der Zielentfernung bei optischen Kurzstrecken—Radargeraeten (TE), AO 13: 931
- Laser brochure (N), AO 13: 1454

## Ranging

- Atmospheric propagation effects in laser ranging and lidar (A), JOSA 69: 1409
- Auto-focus camera with solid state range finder (P), AO 15: 2946
- Correction for errors in optical pulsed range measurements (ET), AO 14: 752
- Correction of laser tracking data for the effects of horizontal refractivity gradients (TE), AO 16: 2427
- Corrections for atmospheric refractivity in satellite laser ranging (A), JOSA 66: 1095
- Corrections for atmospheric refractivity in satellite laser ranging (TE), AO 16: 1997
- Design of retrodirector arrays for laser ranging of satellites (A), JOSA 64: 531
- Effects of random path fluctuations on the accuracy of laser ranging systems (T), AO 15: 2539
- Effects of speckle on a scanned laser imaging/ranging system (A), JOSA 69: 1422
- Envelope interferometry for large-scale processing (T), AO 13: 2689
- High accuracy distance measurement by two-wavelength pulsed laser sources (E), AO 18: 3035
- High-accuracy satellite laser ranging system (A), JOSA 66: 380
- Integrated laser/radar satellite ranging and tracking system (E), AO 13: 2352
- Laser range measurements using non-Gaussian pulse shapes (T) (L), AO 15: 2621
- Laser range profile extraction to submillimeter absolute accuracies (A), JOSA 66: 1123
- Laser ranging system to measure the shape and field of the earth's gravity and to ascertain such changes as continental shifts, pole movements, and earth rotational variations (N), AO 16: 1981
- Laser-sight and computer for anti-aircraft gun fire control system (P), AO 15: 2038
- Laser telemeter (P), AO 18: 3804
- Laser transmitter (P), AO 15: 2037
- Long range injection laser radar (E) (L), AO 16: 2621
- Modulation techniques for an airborne laser scanner (T), AO 18: 3176
- Multiwavelength laser ranging system for measuring atmospheric propagation delay (A), JOSA 69: 1412
- Observation periscope which can be combined with a laser device (P), AO 15: 10
- Operation and performance of a lunar laser ranging station (E), AO 13: 565
- Optical antenna gain. 1: Transmitting antennas (T), AO 13: 2134
- Optical antenna gain. 2: Receiving antennas (T), AO 13: 2397
- Optical antenna gain. 2: Receiving antennas (T) (errata), AO 13: 2762
- Optical pulsed ranging: method for improving measurement accuracy (T) (L), AO 15: 1684
- Optical pulsed ranging: method for improving measurement accuracy: comment (T) (L), AO 16: 16
- Optical pulsed ranging: method for improving measurement accuracy; author's reply to comment (T) (L), AO 16: 2793
- Picosecond-pulse, fieldable frequency-doubled Nd:YAG laser system for ultraprecision ranging (A), JOSA 66: 380
- Pulsed CO<sub>2</sub> TEA laser rangefinder, AO 17: 885
- Range finder (P), AO 15: 1359
- Ranging laser atmospheric transmissometer (A), JOSA 66: 382
- Ray tracing evaluation of a technique for correcting the refraction errors in satellite tracking data (E), AO 17: 3143
- Sonar controlled two focal position lens system (P), AO 18: 3804
- Spatial filtering design considerations for a line scanning sensor (T), AO 18: 775
- Tacheometer theodolite/distance measuring instrument (P), AO 18: A213
- Transversely excited atmospheric CO<sub>2</sub> laser radar with heterodyne detection (ET), AO 18: 290

## Rayleigh, Robert John Strutt, fourth Baron

- Rayleigh centennial, AO 14: 2827

## Reflectance

- Absolute reflectance of Eastman white reflectance standard (E) (L), AO 16: 2775
- Absorption coefficient of atmospheric dust and other strongly absorbing powders: an improvement on the method of measurement (TE) (L), AO 14: 2813
- Absorption in laser-produced plasma experiments: a personal view (ET,R), AO 18: 3555
- Algebraic expression for the diffuse irradiance reflectivity of water from the two-flow model (T), AO 16: 202
- Analysis and prediction of laser scattering from rough-surface materials (T), JOSA 69: 610
- Analysis of the conventional reflectance of fluorescent samples (E) (L), AO 13: 1007
- Application of a model for the inherent contrast conditions in full-form objects (TE), AO 13: 1946
- Atmospheric distortions in a retroreflected laser signal (T), AO 14: 840
- Atmospheric modeling for space measurements of ground reflectances, including bidirectional properties (T), AO 18: 3587
- Basic equations used in computer color matching, II. Tristimulus match, two-constant theory (T), JOSA 64: 991
- Beryllium mirrors: 10.6- $\mu$ m characterization (E) (L), AO 14: 2806
- BRDF measuring instrument (A), JOSA 67: 252
- Calculated temperature dependences of silver and gold absorptions in the infrared (T) (L), AO 17: 1989
- Calculating the reflectance map (T), AO 18: 1770
- Calculation of attenuated-total-reflection spectra of surface magnetoplasmons on semiconductors (TE), JOSA 64: 1551
- Calculations with reflectance (A), JOSA 64: 546
- Classical dispersion theory applied to the infrared reflectance of calcite, dolomite, and limestone (A), JOSA 68: 1403
- Comment on "Current definitions of reflectance" (T) (L), JOSA 66: 283
- Complex refractive index from time-domain analysis of absolute, relative, or ratio reflectance spectra measured at an oblique angle (A), JOSA 65: 1170
- Counting metameric object-color stimuli using frequency-limited spectral reflectance functions, JOSA 67: 779
- Current definitions of reflectance (T), JOSA 65: 1129
- Depolarization of specular scatter as an aid to discriminating between a rough dielectric surface and an "identical" rough metallic surface (E), JOSA 69: 1212



- Diffuse reflectance spectroscopy: a comparison of the theories (T), AO 14: 1380
- Effect of UV irradiation on the reflectance of silicon-oxide-protected aluminum in the far UV (E) (L), AO 17: 3031
- Effects of changing canopy directional reflectance on feature selection (T), AO 13: 1599
- Effects of component optical activity in data reduction and calibration of rotating-analyzer ellipsometers (TE), JOSA 64: 812
- Ellipsometry at a spherical object and its application to the determination of the optical constants of mercury from the mercury-air interface (E) (L), JOSA 69: 484
- Estimation of spectral reflectance curves from multispectral image data (TE), AO 16: 3107
- Evaluation of whiteness (TE), JOSA 64: 210
- Field spectroscopy for multispectral remote sensing: an analytical approach (ET), AO 13: 1487
- Geometrical Considerations and Nomenclature for Reflectance. By F. E. Nicodemus, J. C. Richmond, J. J. Hsia, I. W. Ginsberg, and T. Limperis (B). Reviewed by MacAdam, David L., JOSA 68: 554
- Hemi-ellipsoidal mirror infrared reflectometer: development and operation (ET), AO 15: 940
- Highly reflecting stable white paint for the detection of ultraviolet and visible radiations (E), AO 13: 2218
- High-precision reflectivity measurement technique for low-loss laser mirrors (E) (L), AO 16: 19
- High-temperature reflectance of silicon-on-silver solar-thermal absorber (A), JOSA 64: 1384
- Influence of bottom depth and albedo on the diffuse reflectance of a flat homogeneous ocean (T), AO 13: 2153
- Infrared reflectance: independent measurements yield good agreement (E) (L), AO 15: 1124
- Infrared reflectance of a variety of mirrors at 45° incidence (E) (L), AO 17: 3335
- Infrared reflectance of silicon oxide magnesium fluoride protected aluminum mirrors at various angles of incidence from 8  $\mu$ m to 12  $\mu$ m (T) (L), AO 14: 1247
- In orbit sun calibration performance of Landsat-2 (ET) (L), AO 14: 2053
- In situ* laser reflectance measurement of diffuse surfaces (E), AO 17: 2335
- Integrating spheres for measurements between 0.185  $\mu$ m and 12  $\mu$ m (E), AO 14: 1137
- Interference theory of reflection from multilayered media (T), JOSA 67: 448
- International comparison of measurements of luminance factor and reflectance of white diffusing samples (E), AO 14: 2694
- Kramers-Kronig analysis of modulated reflectance data investigation of errors (T), AO 14: 2412
- Kramers-Kronig analysis of ratio reflectance spectra measured at an oblique angle (T), AO 13: 595
- Kramers-Kronig dispersion analysis of LiF reflectance data obtained at ambient and low temperatures (ET), JOSA 64: 1450
- Kubelka-Munk optical properties of a barium sulfate white reflectance standard: a comment (E) (L), AO 16: 2627
- Laser backscattering from dense water-droplet clouds (E), JOSA 69: 60
- Laws of optics at high irradiance. II. Experiments with SF<sub>6</sub> at normal incidence (E), JOSA 67: 734
- Likely effects of solar elevation on the quantification of changes in vegetation with maturity using sequential Landsat imagery (E) (L), AO 16: 521
- Measurement of scatter from contaminated mirrors by means of bidirectional reflectance distribution function (BRDF) (A), JOSA 68: 1426
- Narrowband ultraviolet vapor filter (ET), AO 14: 2200
- Optical behavior of yttrium films in ultrahigh vacuum (E) (L), AO 18: 1702
- Optical constants in the infrared for K<sub>2</sub>SO<sub>4</sub>, NH<sub>4</sub>H<sub>2</sub>PO<sub>4</sub>, and H<sub>2</sub>SO<sub>4</sub> in water (E), JOSA 64: 39
- Optical constants of the constituents of manganese-bismuth films (E), JOSA 64: 1436
- Optical properties of evaporated platinum films in the vacuum ultraviolet from 2200 Å to 150 Å (E), JOSA 69: 1695
- Optical properties of thin chromium films (TE), JOSA 64: 823
- Optical properties of water in the near infrared (E), JOSA 64: 1107
- Optimizing precision of rotating-analyzer ellipsometers (T), JOSA 64: 639
- Particle model theory of diffuse reflectance: effect of nonuniform particle size (T) (L), AO 15: 603
- Polarization effects in gloss measurements (T), AO 18: 2252
- Polarization-sensitive spectroradiometer: two methods for overcoming the problems of measuring reflectance spectra (E), AO 18: 548
- Polycrystalline silicon film thickness measurement from analysis of visible reflectance spectra (TE), JOSA 69: 1143
- Power dependence of reflectivity of metallic films (TE), AO 15: 127
- Reflectance and durability of Ag mirrors coated with thin layers of Al<sub>2</sub>O<sub>3</sub> plus reactively deposited silicon oxide (A), JOSA 64: 1384
- Reflectance and optical constants of limestone in 0.2–32.8- $\mu$ m wavelength region (A), JOSA 64: 530
- Reflectance and optical constants for ULE from 250 to 3000 Å (A), JOSA 65: 1169
- Reflectance and optical constants of evaporated ruthenium in the vacuum ultraviolet from 300 to 2000 Å (E), JOSA 64: 423
- Reflectance and optical constants for Cer-Vit from 250 to 1050 Å (E), JOSA 64: 834
- Reflectance of thinly oxidized silicon at normal incidence (T), AO 18: 1927
- Reflected irradiance indicatrices of natural surfaces and their effect on albedo (E), AO 18: 994
- Reflectometer for laser mirrors with accuracy better than 10<sup>-4</sup> (TE) (L), AO 17: 2476
- Refractive index of plant cell walls (ET), AO 13: 109
- Retoreference measurements of photometric standards and coatings—II (A), JOSA 67: 252
- Retoreference measurements of photometric standards and coatings (E), AO 15: 1845
- Retoreference measurements of photometric standards and coatings. part 2 (E), AO 16: 2861
- Sensitive technique for measuring differences in reflectivity (E), AO 13: 1956
- Spectral reflectance of particulate materials: a Monte Carlo model including asperity scattering (TE), AO 17: 245
- Sulfur as a proposed near infrared reflectance standard (E), AO 17: 2817
- Temperature dependence of the 10.6- $\mu$ m reflectivity of ITO-coated silicon (E) (L), AO 16: 808
- Tensor representation of reflectance and transmittance (A), JOSA 65: 1179
- Thickness of absorbing films necessary to measure their optical constants using the reflectance vs angle of incidence method (E), JOSA 64: 429
- Topographical investigation of the variations in stoichiometry in Hg<sub>1-x</sub>Cd<sub>x</sub>Te using electrolyte electroreflectance (A), JOSA 67: 251
- Ultraviolet optical properties of Li (E), JOSA 64: 839
- Use of hafnium dioxide in multilayer dielectric reflectors for the near UV (E), AO 16: 439
- Vacuum-ultraviolet absorption spectra and optical constants of poly(*N*-vinyl carbazole) films (TE), JOSA 64: 952
- Wide band anti-reflection coating (P), AO 13: 977
- ### Reflection
- Absolute methods for reflection measurements, report (N), AO 18: 4123
- Aging of optical properties of polished copper mirrors (E) (L), AO 16: 2035
- Analysis of infrared reflectivity in the presence of asymmetrical phonon line (A), JOSA 67: 255
- Analysis of infrared reflectivity in the presence of asymmetrical phonon lines (ET), AO 16: 2952
- Analysis of the transmitted laser beam at total reflection (A), JOSA 67: 1439
- Angular spectrum representation approach to the Goos-Haenchen shift (T), JOSA 67: 103
- Antireflection coating prepared by plasma polymerization of perfluorobutene-2 (E), AO 15: 132
- Antireflective coatings applied from metal-organic derived liquid precursors (E), AO 18: 3133
- Apodized aperture using frustrated total reflection (E) (L), AO 14: 2810
- Application of generalized ellipsometry to anisotropic crystals (T) (L), JOSA 65: 461
- Application of generalized ellipsometry to anisotropic crystals (T) (L), JOSA 65: 462
- Application of linear programming to antireflection coating design (T), JOSA 67: 1039
- Attenuated-total-reflection spectral linewidth: analysis of surface-polariton dispersion relations and damping rates (TE), JOSA 64: 350
- Average irregularity representation of a rough surface for ray reflection (TE), JOSA 65: 531
- Beam displacement of a reflected beam at an interface between an inhomogeneous medium and free space (T), JOSA 68: 1592
- Calculating the optical properties of multilayer-dielectric reflectors (E), JOSA 67: 1590
- Calculation of space-object reflected intensity using spatially resolved earth-radiance measurements (A), JOSA 65: 1174
- Causality calculations in reflection spectroscopy (E), JOSA 67: 1537
- Characteristics of a Gaussian beam at a dielectric interface (T), JOSA 68: 508
- Characteristics of reflection, transmission, scattering, and emission (T) (L), AO 16: 1770
- Coherence matrices of light beams at dielectric interfaces and Goos-Haenchen effect (T), JOSA 65: 1475
- Collection properties of generalized light concentrators (T), JOSA 67: 1594
- Comparison of the peak and centroid locations of a Goos-Haenchen shifted beam (A), JOSA 68: 1405
- Complex-reflectivity dispersion relation and radiation reaction (T) (L), JOSA 65: 1075
- Consequences of light reflection at the interface between two transparent media such that the angle of refraction is 45° (T) (L), JOSA 68: 1613
- Contribution of multiple reflections to thermal runaway in germanium (T) (L), AO 18: 3880
- Correction to the theory of the Goos-Haenchen shift by Lotsch (T) (L), JOSA 66: 1425
- Correction to the theory of the Goos-Haenchen shift by Lotsch by C. K. Carniglia (T): reply (L), JOSA 66: 1426
- Deeper look at total internal reflection (A), JOSA 67: 1439
- Design of film-substrate single-reflection retarders (TE), JOSA 65: 1043
- Design of film-substrate single-reflection linear partial polarizers (T), JOSA 65: 1472
- Detection and elimination of reflections in beam-foil target chambers (E) (L), AO 13: 1295
- Diffuse reflectance from a finite blood medium: applications to the modeling of fiber optic catheters (TE), AO 15: 2059
- Diffusion cell for use with a Rayleigh interferometer in membrane-transport studies (T), JOSA 65: 131
- Directional change of beams undergoing partial reflection (T) (L), JOSA 67: 703
- Direct relation between Fresnel's interface reflection coefficients for the parallel and perpendicular polarizations (T), JOSA 69: 1007
- Discontinuity radiation in surface waveguides (T), JOSA 65: 1248
- Dispersion relation for complex reflectivity (T) (L), JOSA 65: 1075
- Dispersion relations and complex reflectivity (T), JOSA 65: 146
- Dispersion relations for complex reflectivities (T) (L), JOSA 67: 570
- Displacement of an electromagnetic beam upon reflection from a dielectric slab, JOSA 68: 319
- Doppler-shifted reflections of x rays in beam foil spectroscopy (E) (L), AO 15: 1899
- Doppler-shifted reflections of x rays in beam foil spectroscopy: comments (E) (L), AO 15: 2967
- Effects of interband, intraband, and surface-plasmon processes on the reflectivity of Li films (ET), JOSA 66: 826
- Electrodynamics of nonlocal media (A), JOSA 65: 1224



- Ellipsometric function of a film-substrate system: applications to the design of reflection-type optical devices and to ellipsometry (T), JOSA 65: 252
- Ellipsometry of a biaxial surface (TE), JOSA 65: 542
- Ellipsometry of anisotropic thin films (T), JOSA 64: 631
- Enhanced internal reflection from a region with exponentially decreasing gain (A), JOSA 66: 1116
- Explanation of enhanced internal reflection (A), JOSA 65: 1208
- Explanation of the experimental results of light backscattered from a very rough surface (T), JOSA 68: 323
- Extreme ultraviolet reflection efficiencies of diamond-turned aluminum, polished nickel, and evaporated gold surfaces, AO 17: 3309
- Focal shift and ray model for total internal reflection (T) (L), JOSA 67: 121
- Focal shift on total internal reflection (A), JOSA 65: 1168
- Generalized equations for the calculation of absorptance, reflectance, and transmittance of a number of parallel surfaces (T), AO 17: 531
- Generalized Fresnel's laws for a curved absorbing interface (T), JOSA 65: 1072
- Goos-Haenchen shift (A), JOSA 66: 1135
- Infrared optical reflectivity of liquid metals (A), JOSA 67: 254
- Infrared properties of stoichiometric and nonstoichiometric rutile  $\text{TiO}_2$  (A), JOSA 67: 287
- Internal reflection from an amplifying layer (T), JOSA 66: 775
- Internal reflection from an exponential amplifying region (TE), JOSA 67: 1620
- Isophotes of sunlight glitter on a wind-ruffled sea (T), AO 16: 643
- Kramers-Kronig analysis: revised optical constants, JOSA 64: 830
- Kubelka-Munk optical properties of a barium sulfate white reflectance standard (E), AO 16: 729
- Limitations on the interpretation of specular reflection spectra with an application to solid CO (TE), AO 13: 1184
- Limit of the moth's eye principle and other impedance-matching corrugations for solar-absorber design (T), JOSA 65: 267
- Limit of the moth's eye principle and other impedance-matching corrugations for solar-absorber design (errata), JOSA 65: 748
- Longitudinal and transverse displacements of a bounded microwave beam at total internal reflection (TE), JOSA 67: 1307
- Longitudinal shift of a microwave beam at total internal reflection (E) (L), AO 13: 742
- Magnetoreflexion studies of  $\text{Hg}_{1-x}\text{Cd}_x\text{Te}$  alloys (A), JOSA 67: 255
- Measured spectral bidirectional reflection properties of four vegetated surfaces (E), AO 17: 253
- Measurement of reflectance by gas ionization (E), AO 16: 2576
- Measurement of the angular beam shift on internal reflection (A), JOSA 66: 1136
- Measurement of the angular shift near Brewster's angle (A), JOSA 67: 1439
- Measurement of the Goos-Haenchen shift at grazing incidence (A), JOSA 65: 1168
- Measurement of the Goos-Haenchen shift at grazing incidence using Lloyd's mirror (TE), JOSA 67: 679
- Measuring head (P), AO 18: 261
- Michelson interferometer with frustrated-total-internal-reflection beam splitter (TE), JOSA 65: 124
- Models for the Goos-Haenchen effect (T) (L), JOSA 64: 1722
- Multiple internal reflections within birefringent crystals (A), JOSA 68: 1405
- NBS specular reflectometer-spectrophotometer (A), JOSA 69: 1427
- Nodality: interference at the surface of dielectric mirrors (T) (L), JOSA 65: 465
- Nondegradation of optical properties due to aging of copper (A), JOSA 66: 1105
- Nonlinear reflection properties of germanium associated with thermal effects (T), AO 17: 520
- Normal incidence soft-x-ray reflectors for arbitrary wavelengths using a modified Langmuir-Blodgett method (A), JOSA 69: 1434
- Normal spectral reflectance and the normal spectral emittance of the metal-coated glass ceramics (A), JOSA 67: 251
- Optical constants of bulk and thin-film aluminum at 6328 (E), JOSA 65: 792
- Optical performance of absorber-reflector combinations for photothermal solar energy conversion (T), JOSA 68: 292
- Optical properties of the distorted cholesteric structure (T), JOSA 64: 1178
- Optical time domain reflectometer (E), AO 16: 2375
- Optical transmission and reflection properties of a pile of lossy plates (TE), AO 15: 2068
- Photoelectric determination of the Mueller-Stokes matrix elements (A), JOSA 65: 1166
- Polarization conserving light bending prisms and optimized Fresnel rhombs (T), AO 13: 1110
- Polarizer-surface-analyzer null ellipsometry for film-substrate systems (TE), JOSA 65: 1464
- Probability density function of the intensity of light reflected from a moderately rough surface in the far field (T), AO 18: 312
- Properties of caustics from conic reflectors. 1: Meridional rays (T), AO 16: 1705
- Proposed method for measuring BRDF (A), JOSA 67: 1366
- Quantitative surface topography determination by Nomarski reflection microscopy. I. Theory (T), JOSA 69: 357
- Reflection and refraction of an arbitrary electromagnetic wave at a plane interface (T), JOSA 66: 955
- Reflection and transmission of light by a rough surface, including results for surface-plasmon effects (T), JOSA 65: 150
- Reflection and transmission terminology by analogy with scattering (L), AO 13: 460
- Reflection effects in interferometry (ET), AO 14: 2468
- Reflection from a new class of inhomogeneous media (A), JOSA 67: 1429
- Reflection measurements at the interface between disk laser glass and edge cladding glass (E), AO 18: 97
- Reflection of an electromagnetic plane wave with 0 or  $\pi$  phase shift at the surface of an absorbing medium (T) (L), JOSA 69: 487
- Reflectivity and thermorefectivity of some ferrimagnetic garnets (A), JOSA 69: 1460
- Reflectivity of gold coated surfaces in the soft x-ray range (ET), AO 17: 621
- Reflectivity of metallic films in the infrared (T), JOSA 67: 908
- Reflectivity of steel at 10.6- $\mu\text{m}$ -wavelength (E) (L), AO 17: 992
- Refractive indices of powdered materials and materials with nonspecularly reflecting surfaces: a simple method of determination (E) (L), AO 14: 1489
- Relation between the angular dependence of scattering and the statistical properties of optical surfaces (TE), JOSA 69: 31
- Relations between amplitude reflectances and phase shifts of the p and s polarizations when electromagnetic radiation strikes interfaces between transparent media (T) (L), AO 18: 1884
- Requirements for reflection standards and the measurement of their reflection values (ET), AO 14: 493
- Retroreflectance properties of photometric standards with polarized laser radiation (A), JOSA 69: 1415
- Retroreflection from rough surfaces (T), JOSA 68: 1225
- Retroreflection from spherical glass beads in highway pavement markings. 1: Specular reflection (T), AO 17: 1855
- Retroreflection from spherical glass beads in highway pavement markings. 2: Diffuse reflection (a first approximation calculation) (T), AO 17: 1859
- Roughness characterization of smooth machined surfaces by light scattering (ET), AO 14: 1796
- Second-order coupled-mode equations for spatially periodic media (T), JOSA 67: 825
- Single layer, gradient refractive index antireflection films—effective 0.35–2.5  $\mu$  (A), JOSA 66: 634
- Single-layer, gradient refractive index antireflection films effective from 0.35 to 2.5  $\mu$  (E), JOSA 66: 515
- $\text{SiO}_2$ -Si film—substrate reflection polarizers for different mercury spectral lines (T) (L), AO 16: 1488
- Spectroscopy by saturable reflection (A), JOSA 66: 1072
- Specular aspheric surface to obtain a specified irradiance from discrete or continuous line source radiation: design (T), AO 14: 1279
- Sunlight glitter on a wind-ruffled sea: further studies (T), AO 18: 842
- Surface damage and the optical reflectance of single-crystal silicon (E), AO 17: 3477
- Theory of light reflection by cholesteric liquid crystals possessing a pitch gradient (T), JOSA 69: 1017
- Total internal reflection: a deeper look (T), AO 17: 509
- Transformation of Fresnel's interface reflection and transmission coefficients between normal and oblique incidence (T), JOSA 69: 590
- Transmission and reflection of a Gaussian beam at normal incidence on a dielectric slab (T), JOSA 65: 537
- Transmission and reflection of a Gaussian beam at oblique incidence on a dielectric slab (T), JOSA 67: 819
- Transmittance and reflectance of a thin absorbing film on a thick substrate (E) (L), AO 17: 3345
- Ultraviolet reflectivities from airborne measurements (A), JOSA 69: 1401
- Unified approach to the Goos-Haenchen shift (A), JOSA 66: 1135
- Validity of the Kramers-Kronig transformation used in reflection spectroscopy (T), JOSA 67: 520
- Versatile high-precision multiple-pass reflectometer (E), AO 17: 2913
- Versatile multipass reflectometer for precise measurement of high-reflectance mirrors (A), JOSA 67: 1430

## Reflectometers

- Double-beam two-channel wavelength-modulated reflectometer (E), AO 13: 2704
- Infrared reflectometry with a cavity-shaped pyroelectric detector (E), AO 13: 2212

## Reflectors

- Afocal parabolic reflectors (T) (L), AO 13: 741
- Beam pathlength multiplication (T), AO 13: 679
- Collector of direct dispersed and reflected waves (P), AO 18: 3501
- Cone collectors for finite sources (T) (L), AO 17: 588
- Cube corner retroreflector test and analysis (ET), AO 15: 445
- Cusp shape reflectors to pump disk or slab lasers (TE), AO 15: 2167
- Damage mechanisms at 10.6  $\mu\text{m}$  in windows and reflectors (A), JOSA 66: 166
- Description of multilayer dielectric reflectors, JOSA 69: 993
- Design of slightly absorbing multilayer reflectors for maximum reflectance (A), JOSA 69: 1438
- Fast Fourier transform calculation of diffraction patterns for cube-corner retroreflectors (A), JOSA 66: 1095
- Fluorescent lamp (P), AO 18: 260
- Gratings as distributed reflectors and couplers (A), JOSA 68: 1364
- Hollow retroreflectors (P), AO 14: 1456
- Imaginary equivalent refractive indices in dielectric reflector designs (A), JOSA 69: 1437
- Infrared, hemispherical reflectometer for characterizing selective surfaces for solar thermal energy conversion (A), JOSA 67: 252
- Laser damage versus absorptance of high reflectors at 1.06  $\mu\text{m}$  (A), JOSA 69: 1446
- Light reflecting delineator (P), AO 18: 3358
- Measurement of the losses in multilayer dielectric reflectors (A), JOSA 68: 1418
- Multilayer enhanced metal reflector with improved thermal characteristics (A), JOSA 69: 1438
- Nd:YAG long lasers (ET), AO 13: 1387
- Optical center of a glass corner cube: its measurement (E) (L), AO 15: 304
- Optical Design of Reflectors. By William B. Elmer (B). Reviewed by Silverman, Shirleigh, AO 15: 1112
- Optical design of reflectors. part 1 (TE) (L), AO 17: 673
- Optical design of reflectors. part 2 (TE) (L), AO 17: 977
- Optical design of reflectors. part 3 (T) (L), AO 17: 1308
- Optical design reflectors: part 3: comments (T) (L), AO 17: 3705



- Optical design reflectors: part 3; reply to comments (T) (L), AO 17: 3706
- Optical Design of Reflectors. William B. Elmer (B). Reviewed by Kingslake, Rudolf, JOSA 66: 552
- Optical retroreflector (P), AO 17: A161
- Optical Surfaces: Aspherical Optical Systems, X-Ray Optics, Reflecting Microscopes, Reflectors, Measurements. By Bohumil Jurek (B). Reviewed by Schulz, Guenter, AO 16: 2337
- Paraxial ray analysis of a cat's-eye retroreflector (T), AO 14: 1825
- Paraxial ray analysis of a cat's-eye retroreflector: comments (TE) (L), AO 15: 856
- Paraxial ray analysis of a cat's-eye retroreflector: reply to comments (T) (L), AO 15: 1691
- Perturbation analysis of nonuniform almost-periodic Bragg reflectors (T), JOSA 66: 1359
- Reflectors for obtaining prescribed illumination distributions: I. Point sources (A), JOSA 64: 1357
- Reflectors for obtaining prescribed illumination distributions: II. Line sources (A), JOSA 64: 1357
- Retoreflective arrays as approximate phase conjugators (ET), OL 4: 190
- Semitransparent tin-oxide films on Pyrex plates: measurements of reflectivity (E) (L), AO 15: 1122
- Solar concentrators with maximal concentration for cylindrical absorbers (T), AO 15: 1871
- Solar concentrators with maximal concentration for cylindrical absorbers (T) (errata), AO 16: 15
- Space reflectors for radar and astronomy (TE), AO 14: 526
- Statistical analysis of Bragg reflectors (T), JOSA 68: 18
- Sub-keV x-ray imaging using a low-cost ellipsoidal lens (E), AO 16: 94
- ## Refraction
- Annular lens soft aperture for high power laser systems (T) (L), AO 15: 1379
- Annular lens soft aperture for high power laser systems: comments (T) (L), AO 16: 1482
- Annular lens soft aperture for high power laser systems: reply to comments (T) (L), AO 16: 1484
- Compensating for thermal blooming of repetitively pulsed lasers (T), JOSA 65: 1257
- Consequences of light reflection at the interface between two transparent media such that the angle of refraction is  $45^\circ$  (T) (L), JOSA 68: 1613
- Corrections for atmospheric refractivity in satellite laser ranging (A), JOSA 66: 1095
- Derivation of one-dimensional refractive-index profiles from interferograms (T), JOSA 65: 1011
- Estimating the refractive error in optical measurements of transport phenomena (T), AO 14: 185
- Irradiance tailoring as a method of reducing thermal blooming in an absorbing medium (TE), JOSA 64: 1123
- Laser beam refraction traversely through a graded-index preform to determine refractive index ratio and gradient profile (E), AO 18: 2214
- Laser studies of internal conical refraction (A), JOSA 68: 1379
- Laser studies of internal conical diffraction. I. Quantitative comparison of experimental and theoretical conical intensity distribution in aragonite (TE), JOSA 68: 1093
- Laser studies of internal conical diffraction. II. Intensity patterns in an optically active crystal,  $\alpha$ -iodic acid (TE), JOSA 68: 1098
- Multiple-pulse thermal blooming and phase compensation (E), JOSA 67: 295
- New solutions of the refraction integral (T), JOSA 65: 676
- Photorefraction: a technique for study of refractive state at a distance (ET), JOSA 64: 240
- Propagation in pair-correlated distributions of small-spaced lossy scatterers (T), JOSA 69: 1567
- Radiance theorem and optical invariants in anisotropic media (T), JOSA 65: 668
- Reflection and refraction of an arbitrary electromagnetic wave at a plane interface (T), JOSA 66: 955
- Refraction, dispersion and  $dn/dT$  of CVD zinc selenide (A), JOSA 65: 1169
- Refraction of the periphery of the eye (E) (L), JOSA 64: 110
- Solutions of the refraction and extinction integrals for use in inversions and image formation (T), AO 16: 160
- Theological optics (L), AO 14: A92
- Thermal blooming of repetitively pulsed laser beams (T), JOSA 64: 1651
- Total internal reflection: a deeper look (T), AO 17: 509
- Visual observations from space (E), JOSA 69: 1064
- Visual observations from space (E), JOSA 69: 1192
- ## Refractive index
- See also Optical constants, and specific material
- Aerosol particle characterization using both scattering and extinction measurements (A), JOSA 68: 1358
- Analysis of non-matched beam propagation in gradient-index optical guides (T), JOSA 65: 1483
- Apparatus for the enlarged representation of the cross-section of non-destructed contact lenses (P), AO 14: 1042
- Automatic analysis of interferograms: optical waveguide refractive index profiles (E), AO 15: 1048
- Beam deviation method as a diagnostic tool for the plasma focus (ET), AO 17: 1275
- Binary silica optical fibers: refractive index and profile dispersion measurements (E), AO 15: 3029
- Binary silica optical fibers: refractive index and profile dispersion measurements (errata), AO 17: 3530
- Change of the refractive index in an optical fiber due to external forces (E), AO 17: 2080
- Clouds of Venus (A), JOSA 64: 530
- Complex refractive index from time-domain analysis of absolute, relative, or ratio reflectance spectra measured at an oblique angle (A), JOSA 65: 1170
- Complex refractive index in the infrared for NaCl,  $\text{NaNO}_3$ , and  $\text{NaHCO}_3$  in water (E), JOSA 66: 830
- Complex refractive index of limestone in the visible and infrared (E), AO 17: 353
- Complex refractive indices in the infrared for selected oils and alcohols (A), JOSA 68: 1403
- Complex refractive indices in the infrared for  $\text{H}_3\text{PO}_4$  in water (A), JOSA 68: 1404
- Computer-graphics analysis of atmospheric refraction (TE), AO 17: 3146
- Continued-factorization method for optical dispersion (T), JOSA 64: 1582
- Cryogenic refractive indices and temperature coefficients of cadmium telluride from 20 to 300 K (A), JOSA 68: 1397
- Cryogenic refractive indices and temperature coefficients of cadmium telluride from 6  $\mu\text{m}$  to 22  $\mu\text{m}$  (E), AO 18: 3114
- Cryogenic temperature IR refractive indices of cesium bromide and cesium iodide (E), AO 18: 3116
- Cryogenic temperature infrared refractive indices of cesium bromide and cesium iodide (A), JOSA 68: 1366
- Derivation of one-dimensional refractive-index profiles from interferograms (T), JOSA 65: 1011
- Design and operation of an automated, high-temperature ellipsometer, JOSA 64: 804
- Determination of axially symmetrical refractive index distribution from directions of emerging rays (E), AO 16: 2500
- Determination of dielectric tensor fields in weakly inhomogeneous anisotropic media (T), JOSA 69: 604
- Determination of refractive index in inhomogeneous axisymmetric media from refraction angle measurements (T) (L), AO 14: 25
- Determination of refractive index changes in photosensitive polymer films by an optical waveguide technique (E) (L), AO 14: 560
- Determination of the complex refractive index of aerosol particles from bistatic lidar and solar radiometer measurements (A), JOSA 67: 259
- Determination of the refractive-index distribution in inhomogeneous media using the Bojarski exact inverse scattering theory (A), JOSA 69: 1474
- Determination of the refractive index of liquid carbon monoxide (E), AO 18: 1237
- Determining the refractive index profile of a lenslike medium (TE), JOSA 67: 1672
- Diffusion cell for use with a Rayleigh interferometer in membrane-transport studies (T), JOSA 65: 131
- Dispersion in step-index silicone-clad fibers (E), AO 18: 4000
- Dispersion relations for the complex refractive index of circularly and elliptically polarized light (T): comments, JOSA 66: 454
- Distortion of laser turret optics due to aircraft mainstream flow (A), JOSA 66: 1137
- Effective electro-optic coefficient of multilayer dielectric waveguides: modulation enhancement (T), JOSA 66: 30
- Effect of refractive index discontinuity on the reconstruction of the refractive index field (E) (L), AO 16: 2034
- Effect of thin-film thickness on Abeles-type index measurements (E) (L), JOSA 64: 108
- Effects of particulate complex refractive index and particle size distribution variations on atmospheric extinction and absorption for visible through middle IR wavelengths, AO 17: 3922
- Effects of temperature and humidity fluctuations on the optical refractive index in the marine boundary layer (ET), JOSA 65: 1502
- Electromagnetic modes of an inhomogeneous sphere (T), JOSA 65: 399
- Ellipsometric investigation of quadratic electrooptic and electrostrictive effects with anodic niobium pentoxide films (ET), AO 14: 1316
- Ellipsometry at a spherical object and its application to the determination of the optical constants of mercury from the mercury-air interface (E) (L), JOSA 69: 484
- Estimation of the refractive-index temperature structure parameter over the ocean (ET), AO 16: 334
- Evolution of optical thin films by sputtering (E), AO 13: 946
- Fizeau interferometry for measuring refractive index and thickness of nearly transparent films (TE), AO 17: 3636
- Focusing method for nondestructive measurement of optical fiber index profiles (E), AO 18: 14
- Form and intrinsic birefringence (T), JOSA 65: 239
- General solution for the electro-optic effect (T), JOSA 65: 1144
- Geodesic optical waveguide lens analysis: Comment (T) (L), JOSA 69: 791
- Geodesic profiles for equivalent Luneburg lenses (L), JOSA 69: 792
- Graphical aids in the use of equivalent index in multilayer-filter design (T), JOSA 64: 329
- Holographic measurements of refractive-index changes (TE), OL 3: 33
- Imaginary index of refraction and size distributions for atmospheric aerosols (A), JOSA 67: 257
- Imaginary refractive index determinations of the strong absorption in atmospheric dust in the 2.0–3.0  $\mu\text{m}$  spectral region (A), JOSA 67: 1363
- Index of refraction of some rare-earth halides at 6328 (E) (L), JOSA 65: 357
- Index of refraction structure parameter in the real atmosphere—an overview (A), JOSA 68: 339
- Index-profile determination of heterostructure GaAs planar waveguides from mode-angle measurements at 10.6  $\mu\text{m}$  wavelength (TE), JOSA 65: 46
- Indices of refraction of potassium pentaborate (E) (L), JOSA 66: 72
- Influence of an initial (contamination) film on the determination of film properties by ellipsometry (T) (L), JOSA 65: 611
- Influence of the complex index of refraction on the volume extinction, scattering, and absorption coefficient of particle size distributions (A), JOSA 68: 540
- Infrared refractometer measurements of adhesives (E), AO 17: 3138
- In situ imaginary refractive index measurements of quartz dust with a  $\text{CO}_2$  laser spectrophone (A), JOSA 67: 257
- Interferometric study of a solid-solid phase transition (E), AO 16: 3206
- Interferometry and reconstruction of strongly refracting objects (A), JOSA 69: 1474



- Interferometry of strongly refracting axisymmetric phase objects (T), AO 14: 1601
- Intrinsic, shape, and configurational birefringence (T), JOSA 69: 1199
- Kramers-Kronig analysis of ratio reflectance spectra measured at an oblique angle (T), AO 13: 595
- Kramers-Kronig analysis: revised optical constants, JOSA 64: 830
- Laboratory simulation of atmospheric turbulence (A), JOSA 68: 539
- Large refractive-index change in  $\text{PbI}_2$  films by photolysis at 150–180°C (E), JOSA 65: 914
- Light-induced refractive index changes in Ge-doped silica fiber (A), JOSA 68: 1627
- Light scattering from optical fibers with arbitrary refractive-index distributions (T), JOSA 65: 367
- Mass absorption indices of various types of natural aerosol particles in the infrared, AO 14: 2851
- Measurement of the absorption coefficient of atmospheric dust (ET), AO 13: 1923
- Measurement of the infrared optical properties of aerosols (A), JOSA 68: 1358
- Measurement of the refractive indices of  $\text{LiYF}_4$  (E) (L), AO 14: 2056
- Measurement of the thermal coefficient of refractive index of polycrystalline  $\text{ZnSe}$ ,  $\text{BaF}_2$ , and  $\text{CaF}_2$  (A), JOSA 65: 1169
- Measuring the refractive index and thickness of thin transparent films: method (ET), AO 13: 122
- Measuring the refractive index and its change with temperature in the infrared (E), JOSA 65: 1264
- Mechanism of the photoinduced refractive index increase in polymethyl methacrylate (E), AO 13: 112
- 10.6  $\mu\text{m}$  Ellipsometer measurements of refractive indices of IR materials (A), JOSA 67: 252
- Moiré-holography method for measuring inhomogeneous distributions of refractive index (T) (L), AO 13: 1551
- Nomograph for the calculation of the index of refraction of a prism (T) (L), AO 13: 2449
- Nondestructive determination of refractive index profile of an optical fiber: backward light scattering method (TE), AO 18: 1110
- Nondestructive determination of refractive index profile of an optical fiber: fast Fourier transform method (TE), AO 18: 1117
- Nonlinear refractive-index measurement using temporary gratings (A), JOSA 65: 1181
- Optical and physical parameters of Plexiglas 55 and Lexan (E), AO 18: 101
- Optical anomalous dispersion of helium (T), JOSA 64: 1470
- Optical constants from the far infrared to the x-ray region: Mg, Al, Cu, Ag, Au, Bi, C, and  $\text{Al}_2\text{O}_3$  (E) (L), JOSA 65: 742
- Optical constants in the infrared for  $\text{K}_2\text{SO}_4$ ,  $\text{NH}_4\text{H}_2\text{PO}_4$ , and  $\text{H}_2\text{SO}_4$  in water (E), JOSA 64: 39
- Optical constants of bulk and thin-film aluminum at 6328 (E), JOSA 65: 792
- Optical constants of crystalline and fused quartz in the far ultraviolet (E), AO 16: 2212
- Optical constants of metal oxides in the far infrared region (E) (L), AO 15: 859
- Optical constants of solid ammonia in the infrared (E), JOSA 65: 432
- Optical constants of sulfuric acid: application to the clouds of Venus? (E), AO 14: 208
- Optical constants of the constituents of manganese-bismuth films (E), JOSA 64: 1456
- Optical constants of titanium (E) (L), JOSA 64: 514
- Optical constants of water in the infrared: Influence of temperature (ET), JOSA 67: 494
- Optical dispersion of unclad fibers over limited wavelengths (E) (L), AO 13: 465
- Optical interference method for the approximate determination of refractive index and thickness of a transparent layer (TE), AO 17: 2779
- Optical properties of water in the neighborhood of 35 °C (E) (L), JOSA 64: 105
- Optical properties of water in the near infrared (E), JOSA 64: 1107
- Optical waveguide refractive index profiles determined from measurement of mode indices: a simple analysis (TE), AO 15: 151
- Origin of the large refractive index change in photolyzed  $\text{PbI}_2$  films (E) (L), JOSA 67: 1123
- Particle size dependence of the composition and complex refractive index of atmospheric dust: measurements and discussion (A), JOSA 67: 1364
- Piezo- and thermo-optical properties of  $\text{Bi}_{12}\text{GeO}_{20}$ , I. Optical rotatory dispersion (ET), JOSA 65: 436
- Piezo- and thermo-optical properties of  $\text{Bi}_{12}\text{GeO}_{20}$ , II. Refractive index (E), JOSA 65: 442
- Piezo- and thermo-optical properties of  $\text{Bi}_{12}\text{GeO}_{20}$ , III. The dispersion theories and models (T), JOSA 69: 352
- Practical upper limits of the optical extinction coefficients of aerosols (TE), AO 18: 1372
- Precise determination of refractive index and thickness in the Ti-diffused  $\text{LiNbO}_3$  waveguide (TE), JOSA 68: 1690
- Ray tracing in gradient-index media, JOSA 65: 451
- Reflectance and complex refractive index of calcite and dolomite: ordinary ray (A), JOSA 65: 1170
- Reflectance and optical constants of evaporated ruthenium in the vacuum ultraviolet from 300 to 2000 Å (E), JOSA 64: 423
- Reflectance and optical constants for Cer-Vit from 250 to 1050 Å (E), JOSA 64: 834
- Reflectivity of gold coated surfaces in the soft x-ray range (ET), AO 17: 621
- Refraction correction for fluorescence spectra of aqueous solutions (E) (L), AO 17: 2875
- Refractive index and diameter determinations of step index optical fibers and preforms (E), AO 13: 2882
- Refractive index and diameter measurements of unclad optical fibers (TE), JOSA 64: 280
- Refractive index and spectral modeling of gradient index materials (A), JOSA 68: 1396
- Refractive index and surface layers of ceramic ( $\text{Pb,L a}$ )( $\text{Zr,Ti}$ ) $\text{O}_3$  compounds (E), AO 16: 3210
- Refractive index and temperature coefficient of index of KCl (A), JOSA 64: 1383
- Refractive index changes in germanium due to intense radiation (E), AO 17: 526
- Refractive index changes in germanium due to intense radiation (errata), AO 17: 3706
- Refractive-index dependence of pulsed-laser-induced damage (ET), OL 4: 256
- Refractive index determination by the focusing method (T), AO 18: 9
- Refractive index determination of layered compound  $\text{ZnIn}_2\text{S}_4$  (E), AO 13: 1595
- Refractive index determination using reflectance extrema (T), AO 17: 1771
- Refractive-index distribution for a prescribed ray path (E), JOSA 69: 450
- Refractive indexes and temperature coefficients of germanium and silicon (E), AO 15: 2348
- Refractive index interpolation in phase-matching (TE) (L), AO 15: 305
- Refractive index measurement of high refractive index glass beads (E), AO 14: 1111
- Refractive-index measurements at high altitudes (A), JOSA 65: 1218
- Refractive index measurements in fused  $\text{NaNO}_3$  and  $\text{KNO}_3$  by a modified thermooptic technique (E), AO 14: 1105
- Refractive index measurements of a germanium sample (E), AO 17: 1066
- Refractive index of atmospheric particulate matter: an in situ method for determination (T) (L), AO 13: 731
- Refractive index of gadolinium gallium garnet (A), JOSA 68: 1397
- Refractive index of GaSe between 0.45  $\mu\text{m}$  and 330  $\mu\text{m}$  (E), AO 16: 1236
- Refractive index of He in the region 920–1910 Å (E), JOSA 64: 390
- Refractive index of Irtan 2 as a function of wavelength and temperature (E), AO 17: 1547
- Refractive index of Irtan 6 (hot-pressed cadmium telluride) as a function of wavelength and temperature (E), JOSA 65: 1267
- Refractive index of  $\text{LiF}$  films as a function of time (E), AO 18: 1233
- Refractive index of liquid solutions at low temperatures: an accurate measurement (E) (L), AO 15: 858
- Refractive index of  $\text{Nd:CaF}_2$  and some Nd doped glasses as a function of wavelength, % neodymium, and temperature (E), AO 14: 174
- Refractive index of plant cell walls (ET), AO 13: 103
- Refractive index of some oxide and fluoride coating materials (T), AO 18: 111
- Refractive index of  $\text{ZnSe}$  at 3.8 and 10.6  $\mu\text{m}$  from 80 to 300 K (A), JOSA 68: 1397
- Refractive index of  $\text{ZnSe}$  at 3.8  $\mu\text{m}$  and 10.6  $\mu\text{m}$ , from 80 K to 300 K (E) (L), AO 18: 2085
- Refractive-index profile determination of optical fibers by spatial filtering (T) (L), AO 17: 14
- Refractive index profile measurements of diffused optical waveguides (E), AO 13: 2112
- Refractive index profile optimization in diffused graded index lenses, AO 14: 2427
- Refractive-index profiling of single-mode optical fibers and preforms (E), AO 18: 4006
- Refractive-index spectral structure in the atmospheric boundary layer (A), JOSA 68: 539
- Refractive-index structure constant dependence on height (E) (L), JOSA 69: 1616
- Refractive indices of IR materials: 10.6- $\mu\text{m}$  ellipsometer measurements (ET), AO 16: 2849
- Refractive indices of powdered materials and materials with nonspecularly reflecting surfaces: a simple method of determination (E) (L), AO 14: 1489
- Refractive indices of powdered materials: improvement of the method (E) (L), AO 15: 2301
- Refractive indices of  $\text{TiO}_2$  films produced by reactive evaporation of various titanium-oxygen phases (E), AO 15: 2986
- Refractive indices of zinc sulfide and cryolite in multilayer stacks (E), AO 15: 1969
- Refractive properties of infrared laser window materials (A), JOSA 67: 254
- Refractive properties of magnesium fluoride (A), JOSA 69: 1460
- Refractivity and dispersion of hydrogen in the visible and near infrared (E), JOSA 67: 1550
- Refractometry of fluids in microscopic tubes (TE), AO 18: 802
- Relation between absorption coefficient and imaginary index of atmospheric aerosol constituents (T), AO 18: 1368
- Relation between piezo-optical and thermo-optical properties of crystals (T), JOSA 64: 944
- Relationship between particle size and imaginary refractive index in atmospheric dust (E) (L), AO 16: 2628
- Remote sensing of particle size and refractive index by varying the wavelength (T), AO 15: 2105
- Saturation of optical scintillation by strong turbulence (TE), JOSA 64: 148
- Scattering from side-illuminated clad glass fibers for determination of fiber parameters (TE), JOSA 64: 767
- Sensitivity of the ellipsometric parameters to angle-of-incidence variations (T), AO 13: 1591
- Simultaneous determination of refractive indices and angles of prisms (E), AO 13: 118
- Single-mode-fiber refractive-index profile measurement by reflection method (E), AO 17: 475
- Size—refractive index distribution of clear coastal water particulates from light scattering (TE), AO 13: 2874
- Spatial coherence of light scattered by media with large correlation length of refractive index fluctuations (E), AO 15: 1842
- Stress-optic coefficients of  $\text{ZnSe}$  (E), AO 14: 2432
- Technique for measuring refractive index changes in photochromic materials (TE), AO 14: 1100
- Techniques for the measurement of relative waveguide mode refractive indices (A), JOSA 67: 1393
- Temperature and pressure variation of the refractive index of diamond (E), AO 16: 2949
- Temperature change of the refractive index of CVD  $\text{ZnSe}$  at 10.6  $\mu\text{m}$  (E) (L), AO 13: 1999
- Temperature coefficients of the indices of refraction and of the birefringence in cadmium sulphide (E), JOSA 67: 190
- Temperature dependence of the refractive index of alkaline earth fluorides (E), AO 15: 2352
- Temperature-dependent Sellmeier coefficients and coherence length for cadmium telluride (T), JOSA 67: 628
- Temperature-dependent Sellmeier coefficients and nonlinear optics average power limit for germanium (T), JOSA 69: 178
- Temperature-dependent Sellmeier coefficients and coherence lengths for some chalcopyrite crystals (T), JOSA 69: 730



- Temperature derivative of the refractive index of diamond (A), JOSA 67: 255
- Temperature variation of refractive index in GaSe, AO 18: 3847
- Temperature variations of the refractive index of ZnSe (A), JOSA 66: 1119
- Ternary fiber glass composition for minimum modal dispersion over a range of wavelengths (A), JOSA 67: 709
- Thickness of absorbing films necessary to measure their optical constants using the reflectance vs angle of incidence method (E), JOSA 64: 429
- Time-resolved interferometric technique and measurements of the nonlinear refractive index of laser materials (A), JOSA 66: 388
- Tolerance of the refractive index gradient in optical elements (T), AO 17: 1697
- Ultraviolet optical constants of water and ammonia ices (ET), JOSA 65: 919
- Ultraviolet optical properties of Li (E), JOSA 64: 839
- Upper bound to a group index in slab dielectric waveguides (T) (L), JOSA 66: 500
- Use of an average complex refractive index in atmospheric propagation calculations (T) (L), AO 17: 989
- Use of the waveguide parameter  $V$  to determine the difference in the index of refraction between the rat rod outer segment and the interstitial matrix (E), JOSA 68: 1130
- Vacuum-ultraviolet absorption spectra and optical constants of poly(*N*-vinyl carbazole) films (TE), JOSA 64: 952
- Wavelength dependence of  $dn/dT$  in infrared-transmitting semiconductor materials (T) (L), AO 16: 1796
- Weak refractive scattering: a model system (T) (L), JOSA 69: 1036
- ## Refractometers
- Apparatus for refracting eyes (P), AO 14: 1042
- Apparatus for refracting the eye (P), AO 14: 1041
- Eye test apparatus (P), AO 15: 832
- Instrument for improved eyesight-refraction testing (P), AO 14: 1042
- Method of determining the state of refraction of a human eye (P), AO 13: 2959
- Multiparameter vision testing apparatus (P), AO 15: 833
- Optical system for objective refractor for the eye (P), AO 15: 833
- Optometric apparatus and process having independent astigmatic and spherical inputs (P), AO 14: 1042
- Photo-refractometer and methods for ophthalmic testing of young children (P), AO 15: 833
- ## Relativity
- See also Einstein, Albert
- Einstein and clocks (N), AO 17: 5
- Electromagnetic radiation, relativity, and anomalous red-shifts (E) (L), AO 15: 1100
- Electromagnetic radiation, relativity, and anomalous red-shifts: a critique (T) (L), AO 16: 541
- Electromagnetic radiation, relativity, and anomalous red shifts: author's reply to comments (ET) (L), AO 16: 543
- Formal relativistic quantum theory of fourth-dimensional wave propagation (A), JOSA 69: 1474
- On Silvertooth's discussion of special relativity (T) (L), AO 16: 543
- Relativistic phase invariance: comments on a recent effort to reinvoke the ether (T) (L), AO 16: 540
- Relativistic Propagation of Light. By Wallace Kantor (B). Reviewed by Newburgh, Ronald G., AO 16: 792
- Relativistic propagation of light: comments on a book review, Kantor, Wallace (B), AO 16: 792
- SCLERA: an astrometric telescope for experimental relativity (E), AO 13: 206
- Subjective Lorentz transformations and the perception of motion (ET), JOSA 68: 402
- ## Remote sensing
- See also Atmospheric optics, Pollution, Radiometry, Satellites
- Absolute oil fluorescence conversion efficiency (T), AO 15: 409
- Absorption coefficients of various pollutant gases at CO<sub>2</sub> laser wavelengths; application to the remote sensing of those pollutants (E), AO 17: 391
- Absorption coefficients of various pollutant gases at CO<sub>2</sub> laser wavelengths; application to the remote sensing of those pollutants (errata), AO 17: 2138
- Acoustooptic tunable filter performance in a staring IR sensor (T), AO 18: 3901
- Active autofocusing using an apertured Gaussian beam (TE), AO 15: 2095
- Aerial infrared surveys of power-plant thermal discharges (A), JOSA 64: 1405
- Aerosol measurements since 1973 for normal and volcanic stratospheres (E) (L), AO 15: 1113
- Aerosol size distributions: remote determination from air-borne measurements of the solar aureole (ET), AO 15: 980
- Airborne cloud lidar system: instrument description and flight performance (A), JOSA 69: 1399
- Airborne studies of regional ozone distributions with a laser absorption spectrometer (A), JOSA 69: 1398
- Albedo of the ocean-atmosphere system: influence of sea foam (T), AO 16: 2257
- Analysis and modeling of dust obscuration effects on electro-optical systems (A), JOSA 69: 1398
- Analysis of differential absorption lidar from the Space Shuttle (T), AO 17: 624
- Analytical inversions in remote sensing of particle size distributions. 1: Multispectral extinctions in the anomalous diffraction approximation (T) (L), AO 17: 1675
- Analytical inversions in remote sensing of particle size distributions. 2: Angular and spectral scattering in diffraction approximations (T) (L), AO 17: 1677
- Analytical inversions in remote sensing of particle size distributions. 3: Angular and spectral scattering in the Rayleigh-Gans-Born approximation for particles of various geometrical shapes (T), AO 18: 126
- Analytical inversions in remote sensing of particle size distributions. 4: Comparison of Fymat and Box-McKellar solutions in the anomalous diffraction approximation (TE), AO 18: 3595
- Antenna parameters for incoherent backscatter heterodyne lidar (T), AO 18: 1390
- Application of a CO<sub>2</sub> differential absorption lidar system to ozone measurement in an urban area (A), JOSA 69: 1398
- Application of a model for the inherent contrast conditions in full-form objects (TE), AO 13: 1946
- Asymptotic nature of grass canopy spectral reflectance (E), AO 16: 1151
- Atmospheric aerosol effect on Dobson total ozone measurements: a simple approach (T) (L), AO 18: 3361
- Atmospheric corrections for airborne measurements of water surface temperature (T) (L), AO 13: 1745
- Atmospheric modeling for space measurements of ground reflectances, including bidirectional properties (T), AO 18: 3587
- Atmospheric scattering corrections to solar radiometry (T), AO 18: 1941
- Atmospheric transmittance of an absorbing gas: a computationally fast and accurate transmittance model for absorbing gases with constant mixing ratios in inhomogeneous atmospheres (T), AO 15: 358
- Atmospheric transmittance of an absorbing gas. 2: A computationally fast and accurate transmittance model for slant paths at different zenith angles (TE), AO 16: 1366
- Atmospheric transmittance of an absorbing gas. 3: A computationally fast and accurate transmittance model for absorbing gases with variable mixing ratios (ET), AO 18: 1600
- Atmospheric water vapor at South Pole (E) (L), AO 16: 2041
- Aurorally enhanced infrared emissions (E), AO 18: 3394
- Bivariate distribution, correlation, and transformation properties of two-color infrared systems (T), AO 13: 1238
- Brillouin remote sensing (A), JOSA 67: 1410
- Calibration of infrared instruments for the remote sounding of atmospheric temperature (E), AO 16: 319
- Calibration of long wavelength Exotech model 20C spectroradiometer (E), AO 18: 2334
- Calibration of satellite radiation instruments, AO 16: 295
- Chlorophyll gradient map from high-altitude ocean-color-scanner data (E) (L), AO 18: 3715
- Coherent differential Doppler measurements of transverse velocity at a remote point (ET), AO 16: 1145
- Collector size or range independence of SNR in fixed-focus remote Raman spectrometry (T), AO 13: 1615
- Continuously tunable IR lidar with applications to remote measurements of SO<sub>2</sub> and CH<sub>4</sub> (E), AO 17: 3555
- Contrast of time-averaged speckle patterns at a defocused image plane (T), JOSA 69: 558
- Cross-polarized target signature measurements (E), AO 15: 1837
- Data inversion for spacecraft solar occultation experiments in the near IR, UV, and visible region (A), JOSA 67: 259
- Depth of convergence of a sharpness index autofocus system (TE), AO 16: 2273
- Detection of atmospheric aerosol flow using a transit-time lidar velocimeter (ET), AO 15: 2891
- Detection of atmospheric pollutants: a correlation technique (ET), AO 14: 1423
- Detection probabilities for fluctuating infrared targets (T), AO 14: 61
- Determination of moments of the size distribution function in scattering by polydispersions: a comment (TE) (L), AO 17: 3516
- Determination of wave slopes from photographs of the ocean surface: a new approach (T), AO 17: 3450
- Differential absorption lidar system sensitivity with heterodyne reception (T) (L), AO 17: 3862
- Diffuse reflectance of the ocean: some effects of vertical structure (T), AO 14: 2892
- Diffuse reflectance of the ocean: the theory of its augmentation by chlorophyll *a* fluorescence at 685 nm (T), AO 18: 1161
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- Dispersive correlation spectroscopy: a study of mask optimization procedures (TE), AO 16: 1609
- Effect of carbon dioxide on accuracy of infrared scanning systems (A), JOSA 69: 1401
- Effect of horizontal Rayleigh air mass models on evaluation of stratospheric aerosol optical depth remote sensing measurements from earth orbit (A), JOSA 67: 259
- Effect of sea-state on the performance of laser fluorosensors (T), AO 17: 2730
- Engineering advances in environmental remote sensing (A), JOSA 66: 386
- Erbium laser as a remote sensor of methane (TE) (L), AO 14: 2812
- Estimation of soil moisture and components by measuring the degree of spectral polarization with a remote sensing simulator (E), AO 17: 3439
- Estimation of the depth of sunlight penetration in the sea for remote sensing (T), AO 14: 413
- Estimation of the depth of sunlight penetration in natural waters for the remote sensing of chlorophyll *a* via *in vivo* fluorescence (T) (L), AO 18: 1883
- Extinction-sedimentation inversion technique for measuring size distribution of artificial fogs (ET), AO 17: 374
- Far-field speckle and Doppler shifts for rough laser-illuminated rotating cylinders (T) (L), AO 18: 755
- Far-infrared laser system for detection of defects in polyethylene-insulated power cables (E), OL 2: 42
- Fast atmospheric transmittance and radiance algorithm; FASCODE (A), JOSA 68: 1424
- Fast-moving suspended particles: measurements of their size and velocity (E), AO 16: 596
- Field-averaging spectrograph camera for remote sensing applications and its characteristics (E), AO 16: 601
- Field spectroscopy for multispectral remote sensing: an analytical approach (ET), AO 13: 1487
- Finite aperture optical scintillometer for profiling wind and  $C_d$  (ET), AO 17: 3774
- Four-component polarization measurement of lidar atmospheric scattering (E), AO 17: 614
- Furnace temperature profiles: measurement by spectroscopic methods (TE), AO 14: 2707
- Further computer simulation study of image speckle patterns with relation to object surface profile (T), JOSA 67: 808
- Gas cell correlation spectrometer: GASPEC (ET), AO 14: 2896



- Global monitoring of stratospheric halogen compounds from a satellite using gas filter spectroscopy in the solar occultation mode (TE) (errata), AO 16: 1479
- Global monitoring of stratospheric halogen compounds from a satellite using gas filter spectroscopy in the solar occultation mode (TE), AO 16: 607
- Ground-based determination of atmospheric radiance for correction of ERTS-1 data (E) (L), AO 13: 2741
- Ground mapping resolution accuracy of a scanning radiometer from a geostationary satellite (T), AO 16: 1619
- Hand-held spectral radiometer to estimate graminaceous biomass (E), AO 15: 416
- High-sensitivity infrared heterodyne radiometer using a tunable-diode-laser local oscillator (E), OL 1: 84
- High sensitivity point monitoring of atmospheric gases employing tunable diode lasers, AO 17: 1806
- High-sensitivity pollution detection (A), JOSA 67: 1363
- High sensitivity pollution detection employing tunable diode lasers (E), AO 17: 300
- Holographic correlation method for processing multispectral-scanner data (A), JOSA 64: 550
- Incoherent optical heterodyne detection and its application to air pollution detection (TE), AO 17: 3444
- Influence of atmospheric absorption on satellite auroral observations (T), AO 18: 3324
- Influence of bottom depth and albedo on the diffuse reflectance of a flat homogeneous ocean (T), AO 13: 2153
- Influence of ground scattering on satellite auroral observations (T), AO 17: 1898
- Information content in remote sensing (T), AO 13: 942
- Information content in remote sensing: comments (T) (L), AO 13: 2467
- Information content of sky intensity and polarization measurements at right angles to the solar direction (T), AO 17: 2153
- Infrared gas-filter correlation instrument for in situ measurement of gaseous pollutant concentrations (ET), AO 15: 1222
- Infrared heterodyne spectroscopy of atmospheric ozone (E) (L), AO 16: 526
- Infrared laser Doppler radar systems for the remote detection of atmospheric turbulence (A), JOSA 64: 539
- Infrared multidetector spectrometer for remote sensing of temperature profiles in the presence of clouds, AO 15: 2091
- Infrared passbands for clear-air-turbulence detection (ET), OL 3: 130
- Infrared radiometer for the Pioneer Venus orbiter. 1: Instrument description (E), AO 18: 3893
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- In situ* quantum efficiency of oceanic photosynthesis (T), AO 18: 442
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- Inversion of optical data to obtain a micrometeorological temperature profile (E), AO 18: 1715
- Inversion of stratospheric aerosol and gaseous constituents from spacecraft solar extinction data in the 0.38-1.0- $\mu$ m wavelength region (T), AO 18: 1404
- Inversion techniques for determining the droplet size distribution in clouds: numerical examination (T), AO 15: 378
- Investigation of structure and dynamics of aerosol inhomogeneities in the ground layer of the atmosphere (E), AO 16: 2231
- Iridescence in an aircraft contrail (TE), JOSA 69: 1080
- Iridescence in an aircraft contrail (TE), JOSA 69: 1194
- Laboratory evaluation of two laser fluorosensor systems (E), AO 18: 3579
- Laser radar for remote detection of oil spills (E), AO 17: 3798
- Laser Remote Sensing for Air Pollution Measurements; First German Lidar Conference, Essen, 9-11 Oct 1974 (M), Reported by Werner, Ch., AO 14: 796
- Laser wind sensing: the effects of saturation of scintillation (TE), AO 15: 403
- Leaf optical system modeled as a stochastic process (TE), AO 16: 635
- Lidar equation analysis allowing for target lifetime, laser pulse duration, and detector integration period (T), AO 16: 1092
- Lidar measurements of rotational Raman and double scattering (TE), AO 17: 1905
- Lidar system applied in atmospheric pollution monitoring (E), AO 18: 2998
- Likely effects of solar elevation on the quantification of changes in vegetation with maturity using sequential Landsat imagery (E) (L), AO 16: 521
- Long-path laser monitor of carbon monoxide: system improvements (E), AO 18: 3004
- Long-path monitoring: advanced instrumentation with a tunable diode laser (E) (L), AO 15: 1653
- Long-path monitoring of atmospheric carbon monoxide with a tunable diode laser system (E), AO 14: 854
- Low resolution/high resolution atmospheric propagation computer code (A), JOSA 69: 1399
- Machine processing of remotely sensed data, Purdue Univ., 3-7 Jun 1974 (N), AO 13: 924
- Manual of Remote Sensing. Edited by R. G. Reeves (B), Reviewed by Howard, John N., AO 15: A160
- Measurement of air pollutants from satellites. 1: Feasibility considerations (T), AO 13: 1494
- Measurement of rain parameters by optical scintillation: computer simulation of the correlation method (T), AO 16: 3176
- Measurement of the earth radiation balance as an instrument design problem (E), AO 16: 297
- Methodology for error analysis and simulation of lidar aerosol measurements (T), AO 18: 3783
- Multiphoton sequential photodissociative excitation: a new method of remote atmospheric sensing (E) (L), AO 18: 590
- Multiple scattered radiation emerging from Rayleigh and continental haze layers. 1: Radiance, polarization, and neutral points (T), AO 15: 632
- Nimbus-6 earth radiation budget experiment (E), AO 16: 306
- Nimbus-5 ITPR experiment (E), AO 13: 499
- NO<sub>2</sub> concentration measurements in an urban atmosphere using differential absorption techniques, AO 13: 1481
- Numerical solutions in remote sensing (T), AO 14: 862
- Ocean color spectra measured off the Oregon coast: characteristic vectors (E), AO 15: 394
- Ocean color spectrum calculations (T), AO 13: 2422
- Off-zenith radiance computations for total ozone retrieval from space (A), JOSA 69: 1399
- One-parameter characterization of the ocean's inherent optical properties for remote sensing (T) (L), AO 16: 2627
- Optical remote sensing of atmospheric turbulence: a comparison with simultaneous thermal measurements (E), AO 18: 243
- Optical versus electronic enhancement of remote sensing imagery (A), JOSA 66: 171
- Opto-ultrasonic sounding system (E), AO 15: 1229
- Partial performance degradation of a remote sensor in a space environment, and some probable causes (ET), AO 13: 1230
- Passive infrared sensors: limitations on performance (T), AO 15: 891
- Passive optical diagnostics of combustion flows (T), AO 16: 627
- Passive remote crosswind sensor (E) (L), AO 16: 2625
- Passive remote sensing techniques for mapping water depth and bottom features (TE), AO 17: 379
- Plant canopy information extraction from composite scene reflectance of row crops (TE), AO 18: 3775
- Plant canopy light absorption model with application to wheat (TE), AO 17: 2629
- Pollution monitoring systems based on resonance absorption measurements of ozone with a "tunable" CO<sub>2</sub> laser: some criteria (ET), AO 15: 340
- Possibility of atmospheric temperature sounding by the solar occultation technique (T) (L), AO 14: 549
- Pressure dependence of integrated CARS power (ET), AO 17: 1418
- Pressure sensing of the atmosphere by solar occultation using broadband CO<sub>2</sub> absorption (T), AO 18: 1950
- PROBE: a new technique for measuring the density profile of a specific constituent using counterpropagating laser pulses (T), AO 16: 3016
- Processing multispectral signals from a discrete-sensor array (N), AO 18: 2633
- Quantitative remote measurements of pollutants from stationary sources using Raman lidar (E), AO 16: 3180
- Radiant energy detection system (P), AO 17: 1474
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- Radiative transfer: technique for simulating the ocean in satellite remote sensing calculations (T), AO 15: 1974
- Raman-lidar humidity sounding of the atmospheric boundary-layer (E), AO 18: 1141
- Range independence of signal in variable focus remote Raman spectrometry (TE), AO 13: 1435
- Real-time optical subtraction of photographic imagery for difference detection (ET), AO 15: 871
- Reflectance of a flat ocean in the limit of zero water depth (T) (L), AO 16: 282
- Relationship between two analytic inversion formulae for multispectral extinction data, AO 18: 3599
- Remote air-pollution monitoring system using a tunable 1.4-4.0  $\mu$ m infrared source (A), JOSA 66: 386
- Remote atmospheric sensing with an airborne laser absorption spectrometer (TE), AO 13: 2840
- Remote detection of atmospheric aerosols using lidar (A), JOSA 67: 1370
- Remote detection of CO by parametric tunable laser (A), JOSA 64: 257
- Remote detection of pollutants using resonance Raman scattering (TE), AO 14: 2703
- Remote measurement of distance and thickness using a deflected laser beam (TE), AO 15: 1432
- Remote measurement of ethylene using a CO<sub>2</sub> differential-absorption lidar (ET), AO 17: 814
- Remote measurement of gaseous pollutant concentrations using a mobile Fourier transform interferometer system (E), AO 18: 3404
- Remote measurement of HCl, CH<sub>4</sub>, and N<sub>2</sub>O using a single-ended chemical-laser lidar system (ET), AO 15: 3140
- Remote measurement of the transverse wind velocity component using a laser Doppler velocimeter (ET), AO 18: 3010
- Remote measurement of wind speed using a dual beam backscatter laser Doppler velocimeter (ET), AO 15: 1980
- Remote measurements of ambient air pollutants with a bistatic laser system (E), AO 15: 2080
- Remote probing using spatially filtered apertures (TE), JOSA 64: 1295
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- Remote sensing of atmospheric turbidity from geosynchronous orbit (A), JOSA 67: 258
- Remote sensing of chlorophyll in an atmosphere-ocean environment: a theoretical study (T), AO 15: 273
- Remote sensing of coastal environment, graduate study program, Univ. Delaware (N), AO 13: 1092
- Remote sensing of CO using frequency-doubled CO<sub>2</sub> laser radiation (A), JOSA 69: 1398
- Remote sensing of crosswind profiles using the correlation slope method (T), JOSA 69: 1604
- Remote Sensing of Environment. Edited by Joseph Lintz, Jr. and David S. Simonett (B), Reviewed by Hall, Freeman F., Jr., JOSA 67: 1288



- Remote sensing of optical properties in continuously stratified waters (T), AO 17: 1893
- Remote sensing of particle size and refractive index by varying the wavelength (T), AO 15: 2105
- Remote sensing of snow albedo for determination of dustfall (E), AO 18: 3574
- Remote sensing of subsurface water temperature by Raman scattering (ET), AO 18: 1732
- Remote Sensing of the Atmosphere: Inversion Methods and Applications. Edited by Alain L. Fymat and Vladimir E. Zuev (B), Reviewed by Lovell, D. J., AO 18: 3079
- Remote sensing of the troposphere by active optical techniques (A), JOSA 64: 550
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- Remote sensing of winds with passive optical sources (A), JOSA 64: 1390
- Remote Sensing: Principles and Interpretation. By Floyd F. Sabins, Jr. (B), Reviewed by Green, Alex E. S., AO 17: 2865
- Remote SO<sub>2</sub> measurements at 4 $\mu$ m with a continuously tunable source (E), OL 2: 163
- Remote Surveillance by Electromagnetic Waves for Air-Water-Land. By D. T. Gjessing (B), Reviewed by Kim, Hongsuk H.; McClain, Charles R., AO 17: 2471
- Remote temperature sounding in the presence of cloud by zenith scanning (ET), AO 13: 1559
- Removal of atmospheric effects from satellite imagery of the oceans (T), AO 17: 1631
- Retrievability of aerosol size distribution parameters from remote sensing experiments (A), JOSA 67: 260
- Rocket observations of auroral albedo over snow (ET) (L), AO 17: 1849
- Satellite measurement of mass of Sahara dust in the atmosphere (TE), AO 15: 2471
- Satellite observations of atmospheric water vapor (ET), AO 13: 507
- Saturation-resistant optical scintillometer to measure C<sub>2</sub> (TE), JOSA 68: 334
- Scattering from a moving spherical particle by two crossed coherent plane waves (T), AO 16: 619
- Sensing of environmental pollutants, 2nd joint conference on, Washington, 10-12 Dec 1973 (M), Reported by Melfi, S. Harvey, AO 13: 701
- Separation of dust and molecular scattering contributions to the lidar observation: a method (T), AO 14: 1917
- Shortened version of the Umkehr method for observing the vertical distribution of ozone (T), AO 18: 3190
- Simple relationship between the UV radiation backscattered by the earth's atmosphere and the vertical ozone profile (T) (L), AO 16: 2581
- Simplified optical path-averaged rain gauge (TE), AO 17: 384
- Simulator for remote sensing and its application to soil moisture measurements (E), AO 17: 807
- Single-ended measurement of infrared extinction using lidar, AO 17: 296
- Single-particle correlated time-of-flight velocimeter for remote wind-speed measurement (E), OL 1: 175
- Single-particle correlation techniques for remote measurement of wind speed: aerosol condition and measurement rate (TE), JOSA 69: 455
- Solutions of the refraction and extinction integrals for use in inversions and image formation (T), AO 16: 160
- Some calculational results using multicolor radiation inversion (A), JOSA 69: 1401
- Speckle and remote sensing (A), JOSA 65: 1190
- Spectral band passes for a high precision satellite sounder (T), AO 16: 322
- Spectral extinction measurements of urban hazes (A), JOSA 69: 1399
- Spectral remote sensing of temperature distribution in semitransparent solids heated by an external radiation source (ET), AO 14: 428
- Statistical band model analysis and integrated intensity for the 11.8- $\mu$ m band of CFCl<sub>3</sub> (E) (L), AO 15: 2305
- Stratospheric temperature and pressure determinations from an OH fluorescence lidar instrument (T), AO 18: 1710
- Subsurface water parameters: optimization approach to their determination from remotely sensed water color data (TE), AO 18: 2885
- Suits reflectance models for wheat and cotton: theoretical and experimental tests (TE), AO 16: 407
- Sunlight glitter on a wind-ruffled sea: further studies (T), AO 18: 842
- Teledetection of the thickness of oil films on polluted water based on the oil fluorescence properties (E), AO 18: 1746
- Temperature analysis from multispectral infrared data (T), AO 15: 2099
- Temperature soundings with partially scanned interferograms (T), AO 16: 326
- Time-of-flight laser anemometer for velocity measurements in the atmosphere (ET) (L), AO 17: 1486
- Time-resolved laser fluorosensors: a laboratory study of their potential in the remote characterization of oil (E), AO 17: 1624
- Tunable laser line filter polychromator for gas temperature measurements (A), JOSA 66: 1072
- Two-dimensional remote air-pollution monitoring via tomography (T), OL 4: 75
- Two-photon lidar technique for remote sensing of atomic oxygen (T), AO 18: 316
- UCLA International Conference on Radiation and Remote Probing of the Atmosphere. Edited by J. G. Kuriyan (B), Reviewed by Howard, John N., AO 14: A197
- Ultraviolet reflectivities from airborne measurements (A), JOSA 69: 1401
- Ultraviolet spectrophotometer for measuring columnar atmospheric ozone from aircraft (ET), AO 17: 1649
- Use of rainfall-induced optical scintillations to measure path-averaged rain parameters (T), JOSA 65: 927
- U.S. National Report, 1971-1974 for IUGG (B), Reviewed by Howard, John N., AO 15: A159
- Vertical distribution of ozone: a new method of determination using satellite measurements (T), AO 15: 261
- Viking infrared thermal mapper (errata), AO 17: 2132
- Viking infrared thermal mapper (E), AO 17: 1243
- Water vapor differential absorption lidar development and evaluation (E), AO 18: 3474
- Wheat spectral reflectance: interactions between crop configuration, sun elevation, and azimuth angle (E) (L), AO 18: 3730
- Wind and refractive-turbulence sensing using crossed laser beams (TE), AO 13: 2602

## Research

- Administration and negotiation of federal grants and contracts to be in five locations (N), AO 16: 69
- Analysis of Federal R&D Funding by Function. National Science Foundation Surveys of Science Resources Series NSF 75-330 (B), Reviewed by Silverman, Shirleigh, AO 15: 1112
- Analysis of Federal R&D funding by function, fiscal years 1969-1977 report (N), AO 16: 1935
- Antarctica, Division of Polar Programs National Science Foundation (N), AO 17: 630
- Assembling of proposals for NSF (N), AO 17: 714
- Decline in industrial basic research (N), AO 18: A52
- Detailed analysis of expected total research and development spending in the United States in 1979 report (N), AO 18: 1225
- Directory, Information Services on Research in Progress; A Worldwide inventory (N), AO 17: 3968
- Doctoral dissertation research—NSF grants (N), AO 16: 618
- Exchange of technical information between Military Services and Defense Agencies (N), AO 16: 3008
- Federal funding for research and development programs from fiscal years 1975 and through 1977 (N), AO 16: 2085
- Federal Funds for Research, Development, and Other Scientific Activities, 1974, 1975, 1976. NSF Surveys of Science Resources Series; NSF 75-334, Volume 24 (B), Reviewed by Silverman, Shirleigh, AO 15: 1895
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- Fellowships at the Joint Institute for Laboratory Astrophysics Research (N), JOSA 67: 1449
- First Sputnik created a celestial traffic jam (N), AO 17: 979
- Free research, Library of Congress (N), AO 16: 165
- Graduate programs in lasers and optics at Stanford University (N), AO 17: 3336
- Grant seekers and grant makers clearing house (N), AO 13: 7A16
- In defense of pure research, J. J. Thomson (N), AO 16: 517
- Industry/University Cooperative Research, NSF plans to increase funding (N), AO 17: 3283
- Institute of Optical Research activities, Stockholm, Sweden (N), AO 17: 2858
- Limitation on rate of pay for investigators (N), AO 18: 812
- Look behind research grant titles (N), AO 15: 576
- Ma Bell's great dream machine (N), AO 17: 3025
- Magnetism and magnetic materials program at Columbia University (N), AO 16: 732
- Manual to help faculty disclose and develop inventions (N), AO 18: 736
- NASA's long duration exposure facility offers scientists a new opportunity for space research (N), AO 16: 1431
- National patterns of R&D resources funds & manpower report, 1953-1975 (N), AO 14: 2233
- National patterns of R&D resources 1953-1973 (N), JOSA 64: 116
- National Research Council report, JOSA 67: 1709
- National Research Council, Research Associateship Programs for 1978 (N), AO 16: 2781
- National Research Facility for small-angle neutron scattering, proposals (N), AO 16: 2133
- National Science Board (N), AO 17: 3095
- National Science Board eighth report (N), AO 16: 118
- National Science Foundation: an analysis of Federal R&D funding by function, fiscal years 1969-78 (N), AO 17: 1643
- National Science Foundation, new guide for the preparation of proposals (N), AO 13: 2941
- Naval Research Laboratory (N), AO 18: 544
- New balance in universities: a shift from research to teaching discerned (L), AO 17: 1312
- New NSF policy on grant renewals (N), AO 15: 3024
- NSF appropriation signed by president (N), AO 18: 812
- NSF engineering research initiation program (N), AO 15: 2704
- NSF establishes 15-page proposal limit (N), AO 18: 30
- NSF reorganizes RANN (N), AO 17: 90
- NSF's guide to programs for fiscal year 1977 (N), AO 16: 56
- NSF's Guide to Programs for fiscal year 1978 (N), AO 17: 573
- NSF submission of final fiscal and technical reports (N), AO 15: 3036
- Office of Technology Assessment candidates for its Congressional Fellowship Program for 1979-80 (N), AO 18: 1512
- ONRL Reports (N), AO 18: A18
- Optics at Imperial College, London (N), AO 18: 609
- Princeton University Davis Center Seminar, History of the Professions, research fellowships (N), AO 16: 2646
- Program directors sought for ecology, ecosystem studies, and systematic biology, NSF (N), AO 16: 228
- 1985 R&D Funding Projections; NSF 76-314 (B), Reviewed by Silverman, Shirleigh, AO 16: 796
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- Requests due to use NCAR's field observing facility (N), AO 17: 1971
- Research and development in industry, 1974 (NSF 76-300) (N), AO 16: 376
- Research Associateships and Visiting Fellowships, Joint Institute for Laboratory Astrophysics, JOSA 69: 1322
- Research in Antarctica, 1976-1977 (N), AO 14: 2224
- Research management improvement program proposals available (N), AO 13: 1140
- Research opportunities for small college faculty (N), AO 14: 617
- Review of research results from Research Applied to National Needs (RANN) (N), AO 16: 1753



- Revision of NSF policy regarding submission of final NSF grant reports (N), AO 16: 1084
- Scheduling of NCAR's aircraft for atmospheric research (N), AO 18: 388
- Science Citation Index and optics journals (N), AO 16: A173
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- Search for program directors for biochemistry; genetic, developmental, and regulatory biology NSF (N), AO 16: 179
- Sharing research equipment now described on videotape (N), AO 17: 905
- Smithsonian Science Information Exchange, Inc. provide information on Coal Research and Composite Materials Research (N), AO 17: 29
- Soviet Science and Technology: domestic and foreign perspectives, publication (N), AO 17: 1492
- Stanford Computerized Researcher Information Profile Technique (N), AO 13: 2511
- Stanford synchrotron radiation laboratory (N), AO 17: 393
- Statistical indicators of scientific and technical communication (1960-1980) (N), AO 16: 2590
- Subcommittee on science, research and technology reports on OTA and its enabling statute (N), AO 18: 286
- Time period for which support is requested from NSF (N), AO 16: 1069
- Undergraduate Teaching Faculty, basic research, supported by NSF (N), AO 16: 183
- U.S.-Australia Joint Research Program (N), AO 14: 123
- Use of publications from NSF Research (N), AO 16: 577
- Visiting fellowships, Joint Institute for Laboratory Astrophysics (N), AO 14: 2749
- Visiting researcher program at the Sacramento Peak Observatory (N), AO 16: A113

## Resolution

- Alternative approach in decision theory as applied to the resolution of two point images (T) (L), JOSA 69: 910
- Apodization for maximum encircled-energy ratio and specified Rayleigh limit (T), JOSA 64: 23
- Apodization for maximum encircled-energy ratio and specified Sparrow limit of resolution for coherent illumination (T) (L), JOSA 66: 1052
- Apodization for maximum Strehl criterion and specified Sparrow limit of resolution for incoherent illumination (T), JOSA 65: 1292
- Apodization for maximum Strehl criterion and specified Sparrow limit of resolution for coherent illumination (T), JOSA 67: 553
- Apodization for maximum Strehl ratio and specified Rayleigh limit of resolution (T), JOSA 67: 1027
- Apodization for maximum Strehl ratio and specified Rayleigh limit of resolution. II (T), JOSA 69: 1526
- Apodization with specified over-all transmittance and specified Sparrow limit of resolution for coherent illumination (A), JOSA 64: 1404
- Apodization with specified over-all transmittance (T), JOSA 64: 969
- Apodization with specified Sparrow limit of resolution for incoherent illumination (A), JOSA 64: 528
- Application of the finite Hankel self-transforms to superresolution (A), JOSA 68: 1453
- Atmospheric turbulence parameters from visual resolution (E), AO 14: 847
- Calculation of phase error in the pupil from the point-spread function (A), JOSA 67: 1364
- Coherent optical compensation of post-detection spatial distortion (T), JOSA 69: 1172
- Cores in star images (A), JOSA 66: 635
- Effect of reference and illuminating sources size in holography (T), JOSA 69: 273
- Effects of speckle on resolution (E), JOSA 66: 1257
- Effects of target contrast and background upon tribar threshold and resolution (T), AO 15: 504
- Equivalent passband of perfect lens (T) (L), JOSA 64: 730

- Errors in bar chart MRT test patterns (A), JOSA 66: 1104
- Ground mapping resolution accuracy of a scanning radiometer from a geostationary satellite (T), AO 16: 1619
- Holographic Doppler imaging of rotating objects (TE), AO 14: 134
- Holographic evaluation of resolution in amorphous chalcogenide inorganic photoresists (ET), AO 18: 1753
- Interference in astronomical speckle patterns (T), JOSA 66: 1240
- Iron oxide masks, used in sophisticated manufacturing of semiconductor integrated circuits (N), AO 17: 2820
- Irradiance distribution, resolution, and size estimates in diffraction limited imagery of extended circular targets (T), AO 14: 503
- Laboratory-simulated speckle interferometry (E), JOSA 65: 1287
- Limitation on image resolution imposed by a random medium (A), JOSA 66: 1065
- Line shifts due to blending (T), JOSA 68: 246
- Linewidth measurement with an optical microscope: the effect of operating conditions on the image profile (ET), AO 16: 2223
- Maximum entropy image restoration. I. The entropy expression (T), JOSA 67: 1656
- New class of amplitude filters superresolving in a restricted field (A), JOSA 65: 1225
- Optical super-resolution using prolate spheroidal wave-function filtering (A), JOSA 69: 1442
- Optimal magnification for visual microscopy (E) (L), JOSA 64: 102
- Optimum resolution gain with prolate spheroidal wave functions (T) (L), JOSA 64: 404
- Passive infrared resolution target (P), AO 17: 2261
- Pupil filters for moderate superresolution (T), AO 15: 3089
- Real-time correction of atmospherically degraded telescope images through image sharpening (T), JOSA 64: 1200
- Real time superresolution by means of an ultrasonic light diffractor and TV system (E), AO 13: 1318
- Resolution and stray light in near infrared spectroscopy (E), AO 14: 1977
- Resolution for a general two-bar target (T) (L), AO 15: 1911
- Resolution of a microscope: improvement using a centrally obstructed condenser aperture and a semitransparent  $\Pi$ -phase annular aperture objective system (T), AO 15: 1341
- Resolution of an aperture for coherent imaging (A), JOSA 68: 1404
- Resolution of multiple circular apertures located on a circle (A), JOSA 69: 1459
- Resolution of partially coherent objects by use of speckle interferometry (T), JOSA 64: 155
- Resolution of self-images in planar optical waveguides (T), JOSA 68: 583
- Resolution, signal-to-noise ratio, and measurement precision (T), JOSA 69: 399
- Simple optical theory of super-resolution (T) (L), JOSA 66: 68
- Spectral resolution of a zoneplate with circular sensor (T), AO 16: 582
- Structure and spatial frequency spectrum of Sayce test patterns (T), AO 18: 3027
- Superresolution in incoherent imaging system (T) (L), JOSA 65: 354
- Suppression of scattered radiation in radiography and improvement of resolution by spatially modulated intensity (T), AO 15: 1148
- Threshold modulation equation for charge-coupled device (CCD) imagers (A), JOSA 69: 1428
- Two-point resolution of a microscope: effect of nonuniform and nonsymmetric illumination using a semitransparent  $\pi$ -phase annular aperture (T), AO 16: 2460
- Two-point resolution of Gaussian aperture operating in partially coherent light using various resolution criteria (T), AO 17: 2176
- Variable contrast infrared and visible field test target (A), JOSA 68: 1366
- Very-high-resolution far-infrared measurements of atmospheric emission from aircraft (E), JOSA 67: 917
- Visual acuity in the presence of retinal-image motion (E), JOSA 65: 847

## Resonators

- Active laser resonator control techniques (T) (L), AO 17: 1671

- Adaptive laser resonator (A), JOSA 68: 1368
- Adaptive laser resonator (E), OL 2: 61
- Alignment technique for unstable resonators (E) (L), AO 13: 2461
- Annular converging wave cavity (ET), AO 15: 2137
- Annular converging wave resonator: new insights (T), OL 1: 166
- Apertured resonator cavity modes using the operator algebraic method (A), JOSA 67: 1391
- Asymptotic analysis of unstable laser resonators with circular mirrors (T), JOSA 68: 1072
- Asymptotic approaches to marginally stable resonators (T), OL 4: 300
- Asymptotic behavior of an infinite-strip tilted-mirror resonator (T) (L), AO 14: 274
- Asymptotic solution of the Huygens-Fresnel integral in circular coordinates (T), OL 3: 100
- Beam deflection in a pulsed chemical laser amplifier (ET), AO 18: 869
- Beam modes in complex lenslike media and resonators (T), JOSA 66: 1373
- Beat frequency between two axial modes of a He-Ne laser with internal mirrors and its dependence on cavity Q (ET), AO 14: 2955
- Birefringent filters for tuning flashlamp-pumped dye lasers: simplified theory and design (T), AO 17: 1944
- Bistable Fabry-Perot resonator (A), JOSA 67: 250
- Calculation of equivalent Fresnel numbers for unstable resonators with scraper mirrors (T) (L), AO 18: 2098
- Comparison of various diffraction formulas in a study of open resonators (T), AO 17: 2519
- Complex-waist Gaussian beams and unstable resonators (T) (L), AO 14: 2805
- Confocal interferometer light-scattering sample cell (E) (L), AO 17: 3028
- Continuous Fourier transform spline solution of unstable resonator field distribution (A), JOSA 68: 1644
- Continuous Fourier-transform spline solution of unstable resonator-field distribution (T), OL 4: 303
- Continuous-wave optical-fiber Raman oscillator employing a two-mirror resonator configuration (E) (L), AO 17: 3032
- Coupled encerclant (ET) (L), AO 18: 604
- Criteria for the thin-sheet gain approximation (T) (L), AO 16: 2794
- Design of optics for irradiance redistribution of laser beams (A), JOSA 69: 1456
- Differential Helmholtz resonator as an optoacoustic detector (E), AO 18: 3959
- Direct application of the fast Fourier transform to open resonator calculations (T), AO 13: 2326
- Effect of cavity length on the optical field of a laser (A), JOSA 67: 1391
- Effects of interference on gain saturation in laser resonators (T) (L), JOSA 69: 1717
- Effects of medium and gain inhomogeneities in unstable optical resonators (A), JOSA 66: 1132
- Effects of medium and gain inhomogeneities in unstable optical resonators (T), AO 16: 1058
- Efficient cavity dumped dye laser (ET), AO 17: 3268
- Eigenmodes of optical resonators with mirrors having Gaussian reflectivity profiles (T), AO 15: 2145
- Eigenvalues of a nonconfocal laser resonator with an output-coupling aperture (T), AO 18: 1334
- Eigenvalue translation method for mode calculations (T), AO 18: 1341
- Electromagnetic analysis of a laser resonator filled with a flowing medium (T) (L), AO 16: 2033
- Experimental study of an adaptive-laser resonator (E), OL 3: 79
- Extra-cavity feedback into unstable resonators (ET), AO 18: 1346
- Far-field energy, in the geometric mode limit, of loaded unstable resonators with centered or corner obscurations (T) (L), AO 16: 1790
- Far infrared laser resonator for TEM<sub>00</sub> mode operation (E) (L), AO 17: 1488
- Fraunhofer diffraction patterns from uniformly illuminated square output apertures with noncentered square obscurations (T), AO 15: 2228
- Gaussian modes in high loss laser resonators (T), AO 14: 1193
- High-energy diffraction-limited unstable resonator Nd:YAG laser source (A), JOSA 66: 1133



High-order circular-mode selection in a conical resonator (E) (L), AO 16: 1791

High-power tuned TEA CO<sub>2</sub> laser using a three-mirror confocal unstable resonator (E) (L), AO 18: 3722

Improved laser optical resonator (P), AO 13: 2735

Influence of Brewster angle windows on confocal unstable resonator beam properties (T) (L), AO 17: 687

Injection-locked, narrow-band KrF discharge laser using an unstable resonator cavity (E), OL 1: 199

Integral equation for a 90° or a quasi-90° roof-mirror optical resonator (T), JOSA 64: 289

Large effective Fresnel number confocal unstable resonators: an experimental study (E), AO 13: 368

Laser intracavity absorption without spatial inhomogeneities (A), JOSA 67: 1425

Laser resonator: electrooptically Q-switched Porro prism device (TE), AO 15: 1942

Laser resonators folded by diffraction gratings (T), AO 17: 87

Laser resonators with polarizing elements—eigenstates and eigenvalues of polarization (ET), AO 13: 2793

Laser resonators with polarizing elements—eigenstates and eigenvalues of polarization: addendum (L), AO 14: 1758

Lasers with unstable resonators in the geometrical optics limit (A), JOSA 66: 1132

Lasers with unstable resonators in the geometrical optics limit (T), JOSA 67: 221

Laser with design for adjustable internal resonator (P), AO 17: 2665

Longitudinal-mode tuning of forward and reverse traveling waves in unstable ring resonators with a fast flowing gain medium (A), JOSA 69: 1475

Loss in unstable resonators (T), JOSA 66: 525

Method and apparatus for fabricating optical waveguide grating resonators (P), AO 18: 749

Method of forming novel curved-line gratings and their use as reflectors and resonators in integrated optics (TE), OL 1: 64

Mode calculations in unstable resonators with flowing saturable gain. I: Hermite-Gaussian expansion (T) (cover story Dec A5, 2792), AO 13: 2775

Mode calculations in unstable resonators with flowing saturable gain. 2: Fast Fourier transform method (T), AO 14: 1874

Mode discrimination of unstable resonators with spatial filters and by phase modification (T), OL 4: 193

Mode discrimination with rimmed optical resonator (TE), AO 14: 2418

Mode locking with a slow saturable absorber in a transverse resonator (ET), OL 3: 226

Mode losses in unstable resonators with rounded edges (T), AO 17: 2239

Mode properties of unstable resonators with transverse refractive index variation (A), JOSA 67: 1391

Modes and modes degeneracy in 90° and in quasi-90° roof open resonators (T), JOSA 65: 1050

Mode self-locking in solid-state lasers with long resonators (A), JOSA 68: 1621

Modes in misaligned unstable resonators (T), AO 15: 167

Modes of active optical resonators (A), JOSA 67: 1391

Modes of active unstable optical resonators (A), JOSA 65: 1208

Modes of a diffraction grating optical resonator (T), AO 14: 589

Modes of a laser resonator containing tilted birefringent plates (T), JOSA 64: 447

Modes of empty off-axis unstable resonators with rectangular mirrors (T), AO 18: 1828

Multiple-selected-line unstable resonator (TE), AO 13: 2321

Nd:YAG long lasers (ET), AO 13: 1387

Negative-branch unstable resonator Nd:YAG laser (E), AO 15: 1465

Normality of integral operators occurring in resonator theory (A), JOSA 67: 1392

Numerical procedures for solving nonsymmetric eigenvalue problems associated with optical resonators (T), AO 17: 2358

Off-axis unstable laser resonator: operation (E), AO 15: 2159

Optical extraction efficiency in lasers with high Fresnel number confocal unstable resonators (T), AO 18: 3562

Oscillation characteristics of an external-cavity system as used with the spin-flip Raman laser (T), AO 17: 1295

Passively mode-locked unstable Nd:YAG oscillator (E) (L), AO 18: 600

Performance of unstable ring resonator with spatial filter (A), JOSA 69: 1474

Phase-synchronization of laser oscillators (P), AO 13: 1252

Polarization effects in resonators (T) (L), AO 18: 2911

Prony method revised (T) (L), AO 18: 3075

Ray-optical analysis of cylindrical unstable resonators (T), JOSA 69: 563

Ray-optical analysis of unstable resonators with circular mirrors (A), JOSA 68: 1435

Ray-optical analysis of unstable resonators with spherical mirrors (T), JOSA 69: 1377

Ray-optical analysis of unstable strip resonators (A), JOSA 68: 1435

Ray-transfer-matrix approach to unstable resonator analysis (T), AO 18: 724

Relationship of the fundamental mode phase of unstable resonators to intracavity aberrations (A), JOSA 68: 1435

Resonances in electromagnetic scattering by objects with negative absorption (T), AO 18: 1180

Resonant-mode analysis of single-mode face pumped lasers (TE), AO 16: 1067

Resonant scanning optical microscope (T), AO 17: 2879

Resonator configuration for the suppression of relaxation oscillations in a long-pulsed Nd:YAG laser (E), AO 18: 1328

Resonator theory for hollow waveguide lasers (T), AO 13: 2117

Resonator with plurality of gain fibers (P), AO 17: 2665

Rimmed Cassegrain open resonator (T) (L), JOSA 66: 494

Saturation and geometrical effects on mode intensity distribution for a large-Fresnel-number stable resonator (A), JOSA 66: 1132

Second-order perturbation theory for optical resonators (A), JOSA 67: 1391

Second-order perturbation theory for Fabry—Perot resonators (T), OL 3: 193

Self-aligned corner reflector polarized laser (P), AO 17: 2666

Simultaneous forward and backward integration for standing waves in a resonator (T) (L), AO 18: 2730

Small dye laser in a semiunstable resonator pumped by an argon-jet guided spark (ET), AO 13: 2816

Small misalignment effects in unstable resonators (A), JOSA 68: 690

Split-mode unstable-resonator configurations (A), JOSA 65: 1208

Split-mode unstable resonator (E), AO 16: 1192

Stability of optical resonators with an active medium (T), AO 14: 306

Stable and unstable cylindrical-laser-resonator theory in an angular spectrum representation (T), JOSA 64: 1100

Standing wave unstable resonators for radial flow lasers (P), AO 16: 2342

System with an antiresonant optical ring (P), AO 15: 11

Theory of modes in a loaded strip confocal unstable resonator (A), JOSA 66: 1132

Theory of modes in a loaded strip confocal unstable resonator (T), JOSA 67: 228

Three-dimensional unstable resonator calculations with laser medium (T), AO 13: 2546

Three-mirror stable resonator for high power and single-mode lasers (ET), AO 14: 1285

Tilt misalignment sensitivity dependence on number of mirrors in unstable negative-branch-ring resonators (A), JOSA 69: 1475

Traveling wave unstable resonators for radial flow lasers (P), AO 16: 2342

Tunable kilowatt <sup>12</sup>CH<sub>3</sub>F-laser emission from an unstable resonator (E), OL 3: 229

Unstable open resonators: two-dimensional and three-dimensional losses by a waveguide analysis (T), AO 15: 1470

Unstable optical resonators (R), AO 13: 353

Unstable optical resonators: comment (T) (L), AO 13: 1993

Unstable optical resonators with tilted spherical mirrors (TE), OL 2: 145

Unstable resonator laser system (P), AO 18: 1287

Unstable resonators for annular gain volume lasers (E), AO 17: 936

Unstable strip resonators with misaligned circular mirrors (T), AO 17: 2352

Unstable toroidal resonators (A), JOSA 69: 1430

Variable-aperture calorimeter for an unstable resonator (ET), AO 15: 2367

**Rhenium**

Spectra of Hf V through Re VIII (A), JOSA 64: 1370

**Rhodium**

Effect of O<sub>2</sub> on the optical properties of thin rhodium films (A), JOSA 66: 163

**Rockets**

Extreme ultraviolet spectrometer for space research (E), AO 13: 575

Fabrication and performance of the Berkeley extreme-ultraviolet stellar spectrometer (A), JOSA 68: 1430

Infrared spectrometer: liquid-helium-cooled rocketborne circular-variable filter (E), AO 14: 3086

Moderate resolution VUV rocket spectrograph (E), AO 13: 193

Rocket-borne baffled photometer: design and calibration (E), AO 15: 437

Rocket calibration of the Nimbus 6 solar constant measurements (E), AO 16: 2690

Rocket observations of auroral albedo over snow (ET) (L), AO 17: 1849

Sensitive far UV spectrograph with a multispectral element microchannel plate detector for rocket-borne astronomy (E), AO 15: 3123

Silicon photodiode as a detector in the rocket-borne photometry of the near infrared airglow (E), AO 15: 2902

Spatial concentration of particulates from rocket exhaust ground clouds (A), JOSA 67: 256

Stray light suppression in optical space experiments (E), AO 13: 556

**Rubidium**

Analysis of the effect of foreign gases in the filtering action of a <sup>85</sup>Rb cell (TE), JOSA 68: 1087

Collisional broadening and shift of Rydberg states of rubidium by inert gases (A), JOSA 69: 1407

Configurations of 4s<sup>2</sup>4p<sup>4</sup> and 4s4p<sup>5</sup> in Rb IV and Sr V (E), JOSA 64: 696

Doppler-free two-photon transitions to Rydberg levels: convenient, useful, and precise reference wavelengths for dye lasers (ET), OL 3: 141

High-resolution, two-photon absorption spectroscopy of highly excited D states of Rb atoms (A), JOSA 65: 1180

Lifetime measurements in the excited S states of K, Rb, and Cs by the cascade-Hanle effect (TE), JOSA 66: 426

Line-broadening studies of highly excited Rb atoms (A), JOSA 67: 1418

Observation of ultranarrow Ramsey fringes in two-photon transitions to Rydberg levels in a rubidium atomic beam (A), JOSA 68: 1635

Self-broadening and shifts of high Rydberg states in rubidium (A), JOSA 69: 1406

Spectrum and energy levels of singly ionized rubidium (Rb II) (A), JOSA 64: 1371

Spectrum and energy levels of singly ionized rubidium (Rb II) (E), JOSA 65: 286

Spectrum of Rb III observed with a pulsed-rf light source (E), JOSA 65: 988

Two-photon absorption to highly excited D states of Rb atoms (ET) (L), JOSA 66: 490

**Ruthenium**

Optical constants of (1120) ruthenium in the visible region (E) (L), JOSA 66: 1050

Reflectance and optical constants of evaporated ruthenium in the vacuum ultraviolet from 300 to 2000 Å (E), JOSA 64: 423

**Samarium**

Photoionization of samarium in the threshold region (E) (L), JOSA 65: 613

**Satellites**

See also Remote sensing, Space optics



Adjacency effects on imaging by surface reflection and atmospheric scattering: cross radiance to zenith (T), AO 18: 2852

Application of satellite image analysis to transport and deposition studies of dust storm aerosol (A), JOSA 67: 258

Atmospheric optics of infrared Doppler lidar wind measurements from space (A), JOSA 68: 1434

Atmospheric transmittance of an absorbing gas: a computationally fast and accurate transmittance model for absorbing gases with constant mixing ratios in inhomogeneous atmospheres (T), AO 15: 358

Atmospheric transmittance of an absorbing gas. 2: A computationally fast and accurate transmittance model for slant paths at different zenith angles (TE), AO 16: 1366

Calibration of satellite radiation instruments, AO 16: 295

Computer-controlled ground electro-optical systems for deep-space operations (A), JOSA 66: 380

Considerations of a satellite-borne global wind sensing coherent lidar (A), JOSA 68: 1430

Correction of laser tracking data for the effects of horizontal refractivity gradients (TE), AO 16: 2427

Corrections for atmospheric refractivity in satellite laser ranging (A), JOSA 66: 1095

Corrections for atmospheric refractivity in satellite laser ranging (TE), AO 16: 1997

Cube corner retroreflector test and analysis (ET), AO 15: 445

Design of retroreflector arrays for laser ranging of satellites (A), JOSA 64: 531

Earth Resources Production Processing System (N), AO 13: 1A16

First Sputnik created a celestial traffic jam (N), AO 17: 979

Flight to Mercury. By Bruce Murray and Eric Burgess (B). Reviewed by Howard, John N., AO 17: 1480

Global monitoring of stratospheric halogen compounds from a satellite using gas filter spectroscopy in the solar occultation mode (TE) (errata), AO 16: 1479

Global monitoring of stratospheric halogen compounds from a satellite using gas filter spectroscopy in the solar occultation mode (TE), AO 16: 607

Gregorian all-reflective optical system (P), AO 17: 1473

Ground mapping resolution accuracy of a scanning radiometer from a geostationary satellite (T), AO 16: 1619

High-accuracy satellite laser ranging system (A), JOSA 66: 380

Hybrid cryogenic cooler for space flight applications (TE), AO 17: 2739

Hybrid cryogenic cooler for space flight applications (errata), AO 17: 3522

Influence of atmospheric absorption on satellite auroral observations (T), AO 18: 3324

Influence of ground scattering on satellite auroral observations (T), AO 17: 1898

Integrated laser/radar satellite ranging and tracking system (E), AO 13: 2352

Laser geodynamic satellite (N), AO 15: 1217

Likely effects of solar elevation on the quantification of changes in vegetation with maturity using sequential Landsat imagery (E) (L), AO 16: 521

Measurement of air pollutants from satellites. 1: Feasibility considerations (T), AO 13: 1494

NATO IIIB military communications satellite (N), AO 16: 1913

Nimbus-6 earth radiation budget experiment (E), AO 16: 306

Nimbus-5 ITPR experiment (E), AO 13: 499

Observation of atmospheric parameters from satellites (A), JOSA 64: 550

Operational capabilities of meteorological satellites (A), JOSA 64: 550

Planetary satellites conference, Cornell Univ., 19-23 Aug 1974 (N), AO 13: 279

Prelaunch testing of the laser geodynamic satellite (LAGEOS); target cross section (A), JOSA 66: 1095

Prelaunch testing of the laser geodynamic satellite (LAGEOS); target signature (A), JOSA 66: 1096

Radiative transfer: technique for simulating the ocean in satellite remote sensing calculations (T), AO 15: 1974

Radiometric calibrations for the earth radiation budget experiment (E), AO 13: 523

Ray tracing evaluation of a technique for correcting the refraction errors in satellite tracking data (E), AO 17: 3143

Remote sensing of atmospheric turbidity from geosynchronous orbit (A), JOSA 67: 258

Remote sensing of snow albedo for determination of dustfall (E), AO 18: 3574

Remote temperature sounding in the presence of cloud by zenith scanning (ET), AO 13: 1559

Rocket calibration of the Nimbus 6 solar constant measurements (E), AO 16: 2690

Satellite finds sky ripe for ultraviolet research (N), AO 18: A148

Satellite measurement of mass of Sahara dust in the atmosphere (TE), AO 15: 2471

Satellite observations of atmospheric water vapor (ET), AO 13: 507

Satellite solar occultation measurements, SAM II and SAGE (A), JOSA 67: 258

Satellite solar power option (A), JOSA 66: 1071

Scanners and imagery systems for earth observation, SPIE 18th Annual Technical Meeting, San Diego, 19-23 Aug 1974, session 2 (M), Reported by Mesner, Max H., AO 13: 2455

Skylab optics: an introduction, AO 16: 823

Skylab S191 visible-infrared spectrometer (E), AO 16: 967

Some calculational results using multicolor radiation inversion (A), JOSA 69: 1401

Spectral band passes for a high precision satellite sounder (T), AO 16: 322

Stray light suppression in optical space experiments (E), AO 13: 556

Thermal radiation shields for radiant coolers (ET), AO 15: 1860

U.S. National Report, 1971-1974 for IUGG (B), Reviewed by Howard, John N., AO 15: A159

Vertical distribution of ozone: a new method of determination using satellite measurements (T), AO 15: 261

## SAW

See Acoustic surface waves, Integrated optics

## Scandium

Spectrum of Ca X and spectral observations of calcium, scandium, and titanium (ET) (L), JOSA 66: 632

## Scanners

Aberation corrections for a POS hologram scanner (TE), AO 18: 2166

Accurate three-dimensional eyetracker (ET), AO 17: 691

Active imaging system: a long range scanned laser (E), AO 15: 1284

Afocal telescope polygon scanner (P), AO 18: A213

Anamorphic scanner lens system (P), AO 18: 259

Application of additional mirrors for rectilinear laser scanning of wide formats (T), AO 17: 203

Augmented laser scan equations (T) (L), AO 17: 1161

Beam scanning device using a stationary hologram (P), AO 18: 3804

Bi-directional optical scanning (P), AO 18: 3358

Bimorph optical beam deflector (E) (L), AO 15: 1007

Bivariate distribution, correlation, and transformation properties of two-color infrared systems (T), AO 13: 1238

Boreighting a Gaussian beam on a specular target point: method using conical scan (TE), AO 15: 656

Characteristics of holographic scanner utilizing utilizing a concave AR (A), JOSA 69: 1481

CO<sub>2</sub> laser material processing using computer-generated phase reflection holographic scanners (A), JOSA 67: 1434

Computer-produced hologram for two-dimensional scanners (A), JOSA 67: 1434

Computer-produced holograms for scanners utilizing an auxiliary reflector (TE), AO 17: 1582

Crossover arrangement for multiple scanning arrays (P), AO 18: 3505

Design considerations of 2-D holographic scanners (T), AO 17: 748

Design considerations of two-dimensional holographic scanners (A), JOSA 66: 1062

Detection of hairline cracks in textured silicon solar cells (E) (L), AO 18: 605

Differential counting of leukocytes and other cells (P), AO 15: 1347

Digital Fourier transforms as means for scanner evaluation (ET), AO 13: 146

Direct imaging apparatus for an electronic document transmitter utilizing a linear array of photo-detectors (P), AO 18: 3512

Distortion correcting apparatus for line-scanning system (P), AO 18: 3554

Effect of carbon dioxide on accuracy of infrared scanning systems (A), JOSA 69: 1401

Effects of object and detector sizes on the spatial frequencies of a one-dimensionally-scanned optical system (T) (L), AO 14: 567

Electronically monitoring a field of view (P), AO 13: 976

Electronic imaging and scanning system (T) (L), AO 16: 550

Electro-optical communication of visual images (P), AO 15: 11

Fast 3-D scanning systems using a limited tilting angle (T), AO 16: 1686

Fast scanning microspectroscopy: an electrodynamic moving-condenser method (E), AO 15: 2554

Field properties of multiple coherently combined lasers (T), AO 18: 270

Flatbed laser scanner/recorder (24 × 36) for lithographic platemaking (A), JOSA 66: 379

Flat scan holographic laser beam deflector (P), AO 18: A115

Flying spot scanner (P), AO 15: 1345

Flying spot scanner with scan detection (P), AO 15: 1671

Focus path of a laser beam deflected by a prismatic polygon mirror: its calculation and optimization (T), AO 15: 3084

Galvanometer beam-scanning system for laser fiber drawing (E), AO 18: 496

Galvanometer deflection: a precision high-speed system (E), AO 15: 1437

Guided acoustic traveling wave lens for high-speed optical scanners (ET), AO 18: 446

Hadamard filter design (P), AO 17: 326

Hand held optical reader (P), AO 15: 1348

High resolution laser beam recorder with self-focusing acousto-optic scanner (P), AO 15: 9

Hologram recording device (P), AO 15: 1671

Holographic beam scanner with concentric reflector (A), JOSA 69: 1481

Holographic grating scanners with aberration corrections (A), JOSA 66: 1062

Holographic grating scanners with aberration corrections (ET), AO 16: 1392

Holographic laser beam scanners utilizing an auxiliary reflector (TE), AO 16: 2137

Holographic opaque document scanner (P), AO 18: A113

Holographic scan aberration correction: a clarification (TE) (L), AO 16: 2361

Image rotation device for an infrared scanning system (P), AO 13: 2962

Image transducing system (P), AO 13: 4A26

Increasing production yields with a laser scanner lumber inspection system (A), JOSA 66: 379

Infrared imaging apparatus (P), AO 13: 2438

Infrared imaging with surface wave readout (P), AO 17: 1474

Infrared scanners detect thermal gradients in building walls (N), AO 18: 2699

Input scanning technique for coherent processing (A), JOSA 68: 1414

Laser addressed display (P), AO 18: 3892

Laser beam scanners constructed from volume holograms (A), JOSA 69: 1481

Laser-beam scanning using computer-generated hologram (A), JOSA 65: 1224

Laser beam scanning using computer-generated holograms (TE), AO 15: 183

Laser printer scanning system with a parabolic mirror (ET), AO 17: 878

Laser-scanner systems for universal product code (A), JOSA 69: 1482

Laser scanning for the graphic arts (A), JOSA 69: 1480

Laser scanning system for roller bearing quality assurance (A), JOSA 66: 387

Least-mean-square spatial filter for IR sensors (T), AO 18: 4210

Linear system (P), AO 16: 2027

Long-wave infrared afocal zoom telescope (P), AO 16: 13

LOOK SEA laser-illuminated underwater viewing system (A), JOSA 66: 381

Materials processing with CO<sub>2</sub> laser holographic scanner systems (TE), AO 17: 3727

Maximum likelihood estimate of target angles for a conical scan tracking system in the presence of speckle (T), AO 16: 184

Method for recording by a writing beam (P), AO 15: 11



- Modulation techniques for an airborne laser scanner (T), AO 18: 3176
- Multiplexed optical scanner system (P), AO 16: 13
- Near-confocal device for optical scan enhancement (P), AO 13: 976
- Non-photographic, digital laser image recording (P), AO 17: 1471
- Omnidirectional optical scanner (P), AO 15: 1348
- Omnidirectional planar optical code reader (P), AO 13: 3A26
- Optical beam steering system (P), AO 18: 3713
- Optical design considerations in laser scanning systems (A), JOSA 69: 1479
- Optical image processing by laser scanner (A), JOSA 65: 1177
- Optical-mechanical line-scan imaging process: its information capacity and efficiency (T), AO 14: 2508
- Optical scanner (P), AO 13: 2961
- Optical scanner (P), AO 15: 2944
- Optical scanner (P), AO 17: 1471
- Optical scanner mask (P), AO 18: 3818
- Optical scanner with large depth of focus (P), AO 16: 2027
- Optical scanning system (P), AO 13: 2439
- Optical scanning system (P), AO 15: 1360
- Optical scanning system with a crossed scanning pattern (P), AO 13: 2439
- Optical seeker scanning system (P), AO 15: 1672
- Phased-array optical scanning (L), AO 18: 2098
- Piezoelectric bimorph optical beam scanners: analysis and construction (ET), AO 18: 454
- Point-of-sale scanner designed for production (A), JOSA 66: 381
- Principle of equivalence between scanning and conventional optical imaging systems (T) (L), JOSA 67: 1357
- Proximal scanning systems: improved resolution using inclined optical fibers (T), AO 15: 1299
- Radiation energy receiver (P), AO 17: 1470
- Radiation scanning and detection system (P), AO 18: 3818
- Reading aid for the blind (P), AO 15: 832
- Rotating diffraction grating laser beam scanner (T) (L), AO 14: 1057
- Scan modifications for two-dimensional holographic scanners (A), JOSA 68: 1443
- Scanner for color images with a one-color laser (E), AO 17: 4003
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- Scanner using a coupled ferroelastic-ferroelectric crystal plate (P), AO 13: 7A26
- Scanning apparatus (P), AO 18: 3505
- Scanning differential photoelectric autocollimator (P), AO 17: 2260
- Scanning laser beam of constant linear velocity (P), AO 16: 13
- Scophony light valve (T), AO 18: 4030
- Semiconductors in document scanner (N), AO 13: 887
- Spatial filtering design considerations for a line scanning sensor (T), AO 18: 775
- Speckle noise model for optical heterodyne line-scan imagery (T), AO 18: 781
- Spectral estimation techniques for the spectral calibration of a color image scanner (TE), AO 15: 73
- Star scanner (P), AO 14: A52
- Straight-line optical scanner using rotating holograms (P), AO 18: 3804
- System for imaging through inclement weather at submillimeter wavelengths (A), JOSA 66: 389
- System of a primary mirror and several rotating secondaries (P), AO 14: 3110
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- Thermal imaging system (P), AO 18: 2092
- Three-dimensional visual stimulus deflector (ET), AO 17: 706
- Two-dimensional image scanning of movies using AO interaction with surface acoustic waves (A), JOSA 67: 1444
- Two-dimensional laser scanning system (P), AO 16: 2790
- Two novel laser scan systems (A), JOSA 68: 1373
- Variable optical wedge for scanning a light beam in an apparatus for reading an optically encoded disc (P), AO 15: 1888
- Variable spot size scanning system (P), AO 15: 2946
- Web scanning apparatus (P), AO 18: 3872
- Wedge-prism optical scanner (P), AO 15: 1360
- ### Scanning
- Application of pressure scanning to the tuning of a high resolution dye laser (E), AO 13: 2095
- Nonlinear resonance scanning (T), AO 13: 1796
- ### Scattering
- See also Absorption, Atmospheric optics, Electromagnetic waves, Mie theory; Scattering, Brillouin; Scattering, Raman; Scattering, Rayleigh
- Abnormally low electromagnetic scattering cross sections (T), JOSA 66: 445
- Absolute measurements of Brillouin-scattering efficiencies of molecular liquids (E), JOSA 65: 995
- Absorption spectroscopy of scattering samples using integrated optics (A), JOSA 66: 291
- Accuracy of RGD approximation for computing light scattering properties of diffusing and motile bacteria (T), AO 18: 2470
- Accurate determination of fiber radii in the hypermicrometer range by multiwavelength laser light scattering (ET), AO 18: 3751
- Adjacency effects on imaging by surface reflection and atmospheric scattering: cross radiance to zenith (T), AO 18: 2852
- Aerosol distributions in maritime air and predicted scattering coefficients in the infrared (T), AO 16: 654
- Aerosol measurements since 1973 for normal and volcanic stratospheres (E) (L), AO 15: 1113
- Aerosol particle characterization using both scattering and extinction measurements (A), JOSA 68: 1358
- Aerosols and the total atmospheric mutual coherence function (A), JOSA 68: 541
- Aerosol size distribution inverted from spectral solar attenuation plus scattering measurements (A), JOSA 67: 256
- Airborne measurements of particle size distribution light scattering, and turbidity at different altitudes (A), JOSA 67: 256
- Air pollution light for naked eye detection of individual submicron sized particles (P), AO 13: 976
- Albedo of the ocean-atmosphere system: influence of sea foam (T), AO 16: 2257
- Alternating electric field light scattering by signal averaging (A), JOSA 69: 1408
- Analysis and prediction of laser scattering from rough-surface materials (T), JOSA 69: 610
- Analysis of resonant Voigt effect (TE), JOSA 69: 781
- Analysis of scattering from fiber waveguides with irregular core surfaces (T), AO 13: 2370
- Analysis of suspended solids by single-particle scattering (E), AO 18: 1653
- Analysis of the frequency spectrum of laser light scattered from moving rough objects (T), JOSA 67: 1091
- Analytical inversions in remote sensing of particle size distributions. 3: Angular and spectral scattering in the Rayleigh-Gans-Born approximation for particles of various geometrical shapes (T), AO 18: 126
- Analytic inversion of multispectral extinction data in the anomalous diffraction approximation (T), OL 3: 91
- Analytic modeling of aerosol size distributions (A), JOSA 67: 1370
- Angular distribution of fluorescence from small particles (ET) (L), AO 17: 1978
- Angular distribution of fluorescence from monodispersed particles (E) (L), AO 17: 1980
- Angular distribution of fluorescence from liquids and monodispersed spheres by evanescent wave excitation (ET), AO 18: 862
- Angular scattering and rainbow formation in pendant drops (TE), JOSA 69: 1083
- Angular scattering and rainbow formation in pendant drops (TE), JOSA 69: 1195
- Anomalous light scattering in liquid sulfur at the polymerization transition (E), AO 15: 3149
- Anomalous scattering and invisible bodies in the Rayleigh-Gans approximation (T) (L), JOSA 66: 493
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- Application of a model for the inherent contrast conditions in full-form objects (TE), AO 13: 1946
- Application of Fourier images to the measurement of particle velocities (E) (L), AO 13: 234
- Application of the unimoment method to scattering from periodic dielectric structures (T), JOSA 68: 775
- Applications of resonance Raman scattering to the study of structure and interactions of biological chromophores (A), JOSA 65: 1162
- Approximate method for radiative transfer in scattering absorbing plane-parallel media (T), AO 17: 364
- Assessment of surface roughness by x-ray scattering and differential interference contrast microscopy (ET), AO 18: 236
- Asymptotic limits of the Mie-scattering characteristics (T), JOSA 65: 1316
- Asymptotic radiance and polarization in optically thick media: ocean and clouds (T), AO 15: 3166
- Asymptotic scattering efficiency of a large sphere (T) (L), JOSA 69: 1615
- Asymptotic theory of irradiance fluctuations in a beam propagating in a random medium (T), JOSA 65: 765
- Atlas of Light Scattering Curves. Edited by P. J. Wyatt (B), Reviewed by Howard, John N., AO 16: A25
- Atmospheric degradation of electrooptical system performance (T), AO 17: 3915
- Atmospheric scatter channel for optical communications over the horizon (A), JOSA 68: 541
- Atmospheric scattering corrections to solar radiometry (T), AO 18: 1941
- Atmospheric scattering of middle UV radiation from an internal source (T), AO 17: 3216
- Atmospheric temperature profiles from lidar measurements of rotational Raman and elastic scattering (T), AO 15: 2896
- Atmospheric turbidity and the circumsolar radiation (T), AO 16: 341
- Atmospheric visibility measurement by a modulated cw lidar (T), AO 15: 1823
- Aureole radiance field about a source in a scattering-absorbing medium (T), AO 17: 1911
- Average irregularity representation of a rough surface for ray reflection (TE), JOSA 65: 531
- Backscattered short pulse response of surface waves from dielectric spheres (T), AO 13: 1928
- Backscattered short pulse response of surface waves from dielectric spheres: comment (T) (L), AO 14: 1765
- Backscattered ultraviolet radiation from turbid and spherical atmosphere (A), JOSA 68: 1434
- Backscattering cross sections for hydrometeors: measurements at 6328 Å (E), AO 17: 804
- Backscattering of a picosecond pulse from densely distributed scatterers (ET), AO 18: 3484
- Backscattering of light from optical fibers with arbitrary refractive-index distributions: uniform approximation approach (T), JOSA 68: 1298
- Basic equations used in computer color matching. II. Tristimulus match, two-constant theory (T), JOSA 64: 991
- Blue-green pulsed propagation through fog (ET), AO 18: 429
- Bragg diffraction of Gaussian beams of periodically modulated media (T), JOSA 66: 220
- Bragg diffraction of Gaussian beams by periodically modulated media (T) (errata), JOSA 66: 1141
- Carbon aerosol visibility vs particle size distribution (T), AO 17: 2612
- Cellular structure as revealed by visible light scattering: studies on suspensions of red blood cell ghosts (TE) (L), AO 15: 310
- Characteristics of reflection, transmission, scattering, and emission (T) (L), AO 16: 1770
- Characterization of high extinction weather for a ground-based infrared pulsed Doppler lidar (A), JOSA 68: 540
- Chemical characterization of aerosols by light scattering (A), JOSA 67: 258



- Closed form expression for optical pulse broadening in multiple-scattering media (T) (L), AO 17: 504
- Cloud-base water content measurement using single wavelength laser-radar data (TE), AO 14: 2873
- Cloud reflectance with laser beam illumination (E) (L), AO 17: 2257
- Coherence of a light beam through an optically dense turbid layer (T), AO 17: 1280
- Compact interference-filter polychromator and narrow band rejection filter (E) (L), AO 16: 176
- Comparative analysis of red-blue lidar and rawinsonde data (A), JOSA 67: 258
- Comparative studies of Conroy and Monte Carlo methods in multiple scattering problems (A), JOSA 67: 1377
- Comparison between the Bojarski exact inverse scattering theory and holography (A), JOSA 67: 1435
- Comparison of extinction and backscattering coefficients for measured and analytic stratospheric aerosol size distributions (A), JOSA 67: 257
- Comparison of the photon diffusion model and Kubelka-Munk equation with the exact solution of the radiative transport equation (T) (L), AO 13: 236
- Comparisons between variational, perturbational, and exact solutions for scattering from a random rough-surface model (T), JOSA 68: 768
- Complete scattering matrix measurements using an electro-optical-modulator-based instrument (A), JOSA 66: 1134
- Complex angular momentum theory of the rainbow and the glory (T), JOSA 69: 1068
- Complex angular momentum theory of the rainbow and the glory (T), JOSA 69: 1193
- Computation of angular functions  $\tau_n$  and  $\tau_n$  occurring in Mie theory: comment on (T) (L), AO 13: 1545
- Computation of the 3-D distribution of sources of optical scattering from complex-amplitude far-field data (A), JOSA 65: 1188
- Computations concerning the actual light scattering coefficient as measured in haze and fog (T) (L), AO 18: 1706
- Computed relationships between the inherent and apparent optical properties of a flat homogeneous ocean (T), AO 14: 417
- Contrast of time-averaged speckle patterns at a defocused image plane (T), JOSA 69: 558
- Contrast of white light speckle patterns at a defocused image plane (E) (L), AO 18: 3725
- Coronagraphic technique to infer the nature of the Skylab particulate environment (E), AO 16: 1591
- Coupling of plane-polarized electromagnetic waves to cylindrical modes (A), JOSA 65: 1167
- Critical angle scattering by a bubble: physical-optics approximation and observations (TE), JOSA 69: 1205
- Cross-polarized target signature measurements (E), AO 15: 1837
- Cross sections for extinction of tilted infinite circular cylinders (T) (L), AO 18: 2728
- Deduction of aerosol concentrations from 1.06- $\mu$ m lidar measurements (TE), AO 17: 3763
- Definition weaknesses in atmospheric experiments in low visibility atmospheres (T) (L), AO 17: 3029
- Depolarization of electromagnetic radiation scattered by nonspherical particles (T), JOSA 67: 175
- Depolarization of light back scattered from rough dielectrics (ET), JOSA 65: 1036
- Depolarization of specular scatter as an aid to discriminating between a rough dielectric surface and an "identical" rough metallic surface (E), JOSA 69: 1212
- Depolarized light scattering from shear waves in aniline and quinoline (A), JOSA 69: 1458
- Detection and elimination of reflections in beam-foil target chambers (E) (L), AO 13: 1295
- Detection of geometric perturbations in optical fibers (E), AO 16: 695
- Detection of microcracks and imperfections in optical fibers by light scattering (A), JOSA 66: 1100
- Detection of the vacuole of yeast cells in suspension by transmittance radiometry (ET), AO 18: 3615
- Determination of aerosol characteristics by the photographic solar aureole isophote (PSAI) method (A), JOSA 67: 1370
- Determination of diffractor size and shape from diffracted light (T), AO 17: 2162
- Determination of moments of the size distribution function in scattering by polydispersions (T) (L), AO 15: 2610
- Determination of moments of the size distribution function in scattering by polydispersions: a comment (TE) (L), AO 17: 3516
- Determination of the refractive-index distribution in inhomogeneous media using the Bojarski exact inverse scattering theory (A), JOSA 69: 1474
- Determining the optical parameters of fluorescent or scattering thin films (A), JOSA 69: 1434
- Diameter determination of graded-index optical fibers from backward-scattered pattern (ET), AO 18: 3276
- Differential mode attenuation measurements in graded-index fibers (E), AO 17: 1830
- Diffraction analysis of Doppler signal characteristics for a cross-beam laser Doppler velocimeter (TE), AO 14: 2177
- Diffraction and diffuse scattering from dielectric multilayers (T), JOSA 69: 48
- Diffraction of electromagnetic waves by transparent edges (E), JOSA 64: 789
- Diffuse reflectance from a finite blood medium: applications to the modeling of fiber optic catheters (TE), AO 15: 2059
- Diffuse reflectance of clouds: a semiempirical model (T) (L), AO 18: 1881
- Diffuse reflectance of the ocean: some effects of vertical structure (T), AO 14: 2892
- Diffusion and scattering of a picosecond pulse in a dense scattering medium (A), JOSA 69: 1467
- Diffusion of a pulse in densely distributed scatterers (T), JOSA 68: 1045
- Diffusion of a short pulse in randomly distributed scatterers (A), JOSA 67: 1367
- Distribution of absorption centers within irradiated spheres (T), JOSA 69: 55
- Double-scattering approximation of lidar equation for inhomogeneous atmosphere (T), OL 4: 12
- Dynamics of structural changes in biological particles from rapid light scattering measurements (ET), AO 18: 303
- Economical multispectral sun photometer for measurements of aerosol extinction from 0.44  $\mu$ m to 1.6  $\mu$ m and precipitable water (E) (L), AO 13: 1732
- Effective extinction efficiencies for large spheres using weakly collimated light (T), AO 18: 1387
- Effect of a finite collection aperture on autocorrelation light-scattering spectroscopy (TE), JOSA 64: 86
- Effect of multiple scattering on the point-spread functions and modulation-transfer functions of the aerosol atmosphere in the problems of space-meteorological photography (T), OL 4: 158
- Effect of noncircular cross section on the forward scattering pattern of side-illuminated unclad fibers (T), AO 18: 4089
- Effect of wall scattering on SNR in laser Doppler anemometry (T), AO 18: 2480
- Effects of anisotropic multiple scattering on solar radiation in the troposphere and stratosphere (T), AO 18: 1955
- Effects of asphericity on single particle scattering (T), AO 17: 3152
- Effects of atmospheric propagation on mean optical irradiance of a LED (A), JOSA 68: 541
- Effects of multiple scattering on the statistical properties of laser light (A), JOSA 64: 1399
- Efficient single-scatter model for atmospheric optical propagation (A), JOSA 68: 1357
- Eigenfunction solution of the scattering of beam radiation fields by spherical objects (T), JOSA 65: 1457
- Eigenfunction solution of the scattering of beam radiation fields by spherical objects (errata), JOSA 66: 401
- Elastic scattering of evanescent electromagnetic waves (T), AO 18: 2679
- Electromagnetic field scattering by a triangular aperture (T), AO 18: 823
- Electromagnetic scattering and absorption by thin walled dielectric cylinders with application to ice crystals (T), AO 16: 2979
- Electromagnetic scattering by a cluster of spheres (T), AO 18: 116
- Electromagnetic Scattering. Edited by Piergiorgio L. E. Usellini (B), Reviewed by Welford, Walter T., AO 18: 1171
- Electromagnetic scattering from spatially dispersive media (A), JOSA 64: 1398
- Electromagnetic scattering from a spherical polydispersion of coated spheres (T), AO 15: 1996
- Electromagnetic scattering from active objects: invisible scatterers (T), AO 17: 235
- Electromagnetic scattering from active objects (T) (L), AO 17: 3337
- Electromagnetic scattering from dielectric rods of arbitrary cross section (T), JOSA 66: 254
- Electrooptically switched multipass system for laser scattering diagnostics (E), AO 16: 2403
- Ellipticity measurement of optical fibers (E), AO 15: 492
- Estimation of particle size distribution parameters with forward-scattering techniques (TE), AO 18: 4173
- Estimation of size distribution of randomly distributed scatterers (A), JOSA 68: 1385
- Estimation of the depth of sunlight penetration in the sea for remote sensing (T), AO 14: 413
- Expansion of the Mie phase function in Legendre polynomials (T) (L), AO 13: 2752
- Expected lidar return from tornado clouds (T) (L), AO 15: 2958
- Experimental determinations of Mueller scattering matrices for nonspherical particles (ET), AO 17: 2700
- Explanation of the experimental results of light backscattered from a very rough surface (T), JOSA 68: 323
- Extension of atmospheric light scattering measurements into the UV region (TE) (L), AO 18: 1281
- Extinction cross sections of arbitrarily shaped randomly oriented nonspherical particles (T), JOSA 67: 1348
- Extreme-value statistics for laser speckle patterns observed through finite-size scanning apertures (T), JOSA 68: 783
- Far-field coherence and radiant intensity of light scattered from liquid crystals (T), JOSA 68: 329
- Far-field impulse response verification of selected high-frequency optics backscattering analogs (T), AO 14: 2169
- Far-infrared filters utilizing small particle scattering and antireflection coatings (E), AO 13: 425
- Far-infrared laser system for detection of defects in polyethylene-insulated power cables (E), OL 2: 42
- Fast-moving suspended particles: measurements of their size and velocity (E), AO 16: 596
- First-order non-Gaussian statistics of an optical field scattered from a glinty rough object under coherent illumination (A), JOSA 67: 1368
- Fixed-angle three-wavelength nephelometer for balloon use (A), JOSA 66: 1088
- Flow-system multi-angle light-scattering instrument for biological cell characterization (A), JOSA 65: 1170
- Flow tracing fidelity of scattering aerosol in laser Doppler velocimetry (ET), AO 14: 894
- Fluorescent scattering by anisotropic molecules embedded in small particles (TE) (L), AO 18: 1484
- Fog hole boring with pulsed high-energy lasers: an exact solution including scattering and absorption (T), AO 17: 3424
- Forward scattering by polydispersed media (A), JOSA 64: 1398
- Forward scattering corrections for aerosol extinction measurements (A), JOSA 67: 1370
- Forwardscattering corrections for optical extinction measurements in aerosol media. 1: Monodispersions (T), AO 17: 2900
- Forwardscattering corrections for optical extinction measurements in aerosol media. 2: Polydispersions, AO 17: 3169
- Four-component polarization measurement of lidar atmospheric scattering (E), AO 17: 614
- Fourier optical approach to the extraction of morphological parameters from the diffraction pattern of biological cells (TE), AO 17: 2754
- Fourier representation of the energy distribution of an electromagnetic field scattered by spherical particles (T), AO 14: 2486



- Fringe spacing of the scattered intensity from cylinders (A), JOSA 69: 1451
- Further computer simulation study of image speckle patterns with relation to object surface profile (T), JOSA 67: 808
- Gaussian laser beam broadening in scattering medium (A), JOSA 69: 1412
- Generating Beasel functions in Mie scattering calculations using continued fractions (T), AO 15: 668
- Geometrical optics of inhomogeneous particles: glory ray and the rainbow revisited (T), AO 16: 166
- Ground-based determination of atmospheric radiance for correction of ERTS-1 data (E) (L), AO 13: 2741
- High-order coherent light scattering due to excitonic molecules in CuCl (A), JOSA 68: 1638
- High-speed noncontact fiber-diameter measurement using forward light scattering (E), AO 16: 2395
- Homodyne electrophoretic light scattering of polystyrene spheres by laser cross-beam intensity correlation (E), AO 14: 740
- Horizontal visibility and the measurement of atmospheric optical depth of lidar (T), AO 14: 2878
- How Lorenz might have viewed the computation of the angular functions occurring in his theory (T) (L), AO 13: 2751
- How to extinguish a light beam without scatter (E) (L), AO 17: 2475
- Image disector for size and position of statically suspended particles (ET), AO 18: 3602
- Image formation by inversion of scattered field data: experiments and computational simulation (ET), AO 18: 2427
- Imaging through a surface of an anisotropic medium with application to light scattering (T), JOSA 66: 694
- Imaging through scattering media with an achromatic interferometer (A), JOSA 68: 1377
- Improved display permitting better viewing at wide angles (P), AO 18: 3220
- Influence of bottom depth and albedo on the diffuse reflectance of a flat homogeneous ocean (T), AO 13: 2153
- Influence of clouds, haze, and smog on the middle ultraviolet reaching the ground (T), AO 13: 2405
- Influence of measured reflection properties of vegetated surfaces on atmospheric radiance and its polarization (T), AO 17: 260
- Influence of surface roughness on the propagation of x rays through capillaries (T), AO 18: 897
- Infrared light scattering from surfaces covered with multiple dielectric overlayers (A), JOSA 67: 253
- Infrared light scattering from surfaces covered with multiple dielectric overlayers (T), AO 16: 2872
- In situ* contamination detection using light scattering (A), JOSA 66: 1124
- In situ* photometric observations of optical scattering properties of atmospheric aerosols (A), JOSA 65: 1174
- Instrument for measuring angular intensity distributions of light sources within a few milliseconds (E), AO 13: 173
- Instrument for measuring the roughness of supersmooth surfaces (E), AO 13: 177
- Integrating sphere for measuring scattering loss in optical fiber waveguides (E), AO 13: 1900
- Intensity fluctuations of optical radiation in scattering media (TE), AO 14: 2731
- Interferometric technique for the reduction of scattered light (A), JOSA 66: 1089
- Internal reflection ellipsometry and scattering of interfaces (A), JOSA 67: 1430
- Intraocular Light Scattering: Theory and Clinical Application. By David Miller and George Benedek (B), Reviewed by Westheimer, Gerald, JOSA 64: 256
- Inverse scattering approach to optical system design (A), JOSA 69: 1440
- Inverse scattering transform (A), JOSA 68: 698
- Inversion of optical scattering and spectral extinction measurements to recover aerosol size spectra (T), AO 18: 988
- Inversion techniques for determining the droplet size distribution in clouds: numerical examination (T), AO 15: 378
- Invisible bodies (T), JOSA 65: 376
- Invisible bodies (T) (errata), JOSA 65: 1085
- Iridescence in an aircraft contrail (TE), JOSA 69: 1194
- Irradiance attenuation coefficient in a stratified ocean: a local property of the medium? (A), JOSA 68: 1424
- Irradiance statistics of light scattered by electrohydrodynamic fluctuations in MBBA (E), JOSA 64: 776
- Iterative model of multiple scattering in fogs (A), JOSA 68: 1357
- Kinematic and dynamic light scattering from the periodic structure of a chiral smectic C liquid crystal (TE), JOSA 68: 1217
- Large-signal theory of nonlinear conjugate wave backscatterings (A), JOSA 68: 1628
- Laser backscattering from dense water-droplet clouds (E), JOSA 69: 60
- Laser beam broadening and depolarization in dense fogs (E), JOSA 68: 900
- Laser beam propagation in particulate media (T), JOSA 69: 68
- Laser Doppler velocimetry using a superheterodyne spectrum analyzer (TE), AO 14: 902
- Laser heterodyne apparatus for measuring small angle scattering from particles (ET), AO 18: 3018
- Laser induced damage in optical materials: ninth ASTM symposium (R), AO 17: 2386
- Laser Light Scattering. By Benjamin Chu (B), Reviewed by Cummins, Herman Z., AO 14: 2801
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- Laser radar conference, eighth international, Drexel University, 6-9 June 1977 (M), Reported by Russell, Philip B., AO 16: 2587
- Laser spectrophotometer for measuring differential cross sections of biological particles (E), AO 15: 672
- Laser technique for simultaneous particle-size and -velocity measurements (T), OL 3: 19
- Lidar for multiple backscattering and depolarization observations (ET), AO 16: 3193
- Light extinction in polydisperse particulate systems, AO 16: 3183
- Light scattering analysis application (A), JOSA 69: 1456
- Light scattering and absorption by coated spheres (A), JOSA 64: 528
- Light scattering as a measure of aerosol concentration (A), JOSA 67: 259
- Light scattering by a pair of conjugate nonspherical particles (T), JOSA 69: 1550
- Light scattering by a spheroidal particle (T), AO 14: 29
- Light scattering by a spheroidal particle (T) (errata), AO 15: 2028
- Light scattering by inhomogeneous particles (T) (L), AO 18: 3888
- Light scattering by methane (A), JOSA 65: 1164
- Light scattering by particles in laser Doppler velocimeters using Mie theory (T) (L), AO 15: 2951
- Light Scattering by Phonon-Polaritons. By R. Claus, L. Merten, and J. Brandmuller (B), Reviewed by Mills, D. L., AO 15: 1667
- Light Scattering by Phonon-Polaritons. By R. B. Claus, L. Merten, and J. K. A. Brandmueller (B), Reviewed by Scott, J. F., JOSA 66: 294
- Light scattering by polydisperse suspensions of inhomogeneous nonspherical particles (T), AO 18: 2672
- Light scattering by small particles in an absorbing medium (T), JOSA 67: 561
- Light scattering by sound waves near interfaces (A), JOSA 66: 1106
- Light scattering by structured spheres (T), JOSA 68: 592
- Light scattering by tenuous particles: a generalization of the Rayleigh-Gans-Rocard approach (T), AO 15: 2932
- Light scattering from acoustic shear waves in quinoline and aniline (A), JOSA 66: 1106
- Light scattering from aggregated silver and gold films (E), JOSA 64: 1190
- Light scattering from aggregated noble-metal films (E), JOSA 68: 189
- Light scattering from biological cells: dependence of backscatter radiation on membrane thickness and refractive index (T) (L), AO 18: 585
- Light scattering from dense optical media (A), JOSA 65: 1206
- Light scattering from elliptical fibers (T), AO 13: 1903
- Light scattering from micron-size fibers (TE), JOSA 67: 564
- Light scattering from optical fibers with arbitrary refractive-index distributions (T), JOSA 65: 367
- Light scattering from red blood cell ghosts: sensitivity of angular dependent structure to membrane thickness and refractive index (T) (L), AO 16: 2036
- Light scattering from single particles and biological cells in a flow system (A), JOSA 67: 1382
- Light scattering from surface acoustic waves near the Raman-Nath limit (A), JOSA 65: 1165
- Light scattering from surfaces of infrared optical components (A), JOSA 67: 254
- Light scattering from surfaces with a single dielectric overlayer (TE), JOSA 66: 682
- Light scattering from unclad fibers: ray theory (T), AO 14: 1528
- Light scattering from unclad fibers: approximate ray theory of backscattered light (TE), AO 15: 2751
- Light scattering in converging beams (T), OL 1: 138
- Light Scattering in Planetary Atmospheres. By V. V. Sobolev (B), Reviewed by Smith, Gerald R., JOSA 66: 744
- Light Scattering in Solids. Edited by M. Cardona (B), Reviewed by Howard, John N., AO 16: A38
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- Light scattering in solids, 3rd international conference, Campinas, 28 Jul-1 Aug 1975 (M), Reported by Perry, Clive H., AO 15: 5
- Light scattering in water droplet fogs (A), JOSA 67: 259
- Light scattering measurements of particle distributions (TE), AO 15: 1616
- Light scattering on internal reflection from surface acoustic waves (A), JOSA 67: 1444
- Light scattering particles for laser velocimeter measurements (E) (L), AO 15: 321
- Light-scattering pattern measurements 360° in a flow system (A), JOSA 67: 1381
- Light scattering properties of spheroidal particles (T), AO 18: 712
- Limitations in using atmospheric models for laser transmission estimates (TE) (L), AO 13: 2193
- Limitations of approximate Fourier techniques in solving radiative-transfer problems (T) (L), JOSA 69: 1719
- Limitations of cloud droplet size distribution by Backus-Gilbert inversion of optical scattering data (TE), JOSA 66: 483
- Limiting range of an active-viewing system in water (A), JOSA 64: 547
- Lorenz-Mie scattering for a mixture of two aerosol size distributions (A), JOSA 64: 540
- Losses of a nematic liquid-crystal optical waveguide (TE), JOSA 64: 1424
- Loss mechanisms in dielectric optical interference devices (T), AO 16: 2147
- Low-angle laser light scattering—Rayleigh factors and depolarization ratios (E), AO 13: 1934
- Luminescence of turbid materials: a theoretical model and its comparison with experiment (ET), AO 15: 934
- Mathematical inversion of angular multiple light scattering data (TE), AO 18: 2466
- Matrix treatment of diffusing layers (A), JOSA 65: 1179
- Measurement and Control of Dispersed Particles by Light Scattering at Small Angles. By L. P. Baibel and A. S. Lagunov (B), Reviewed by Shifrin, K. S., AO 17: 158
- Measurement of bulk scatter using optical heterodyne detection (A), JOSA 68: 1417
- Measurement of scatter from contaminated mirrors by means of bidirectional reflectance distribution function (BRDF) (A), JOSA 68: 1426
- Measurement of surface-current densities (E), JOSA 65: 246
- Measurement of the Rayleigh scattering properties of some gases with a nephelometer (E), AO 18: 121



- Measurements on Lambertian objects: some novel approaches (TE), AO 14: 1150
- Method for high-range resolution measurements of light scattering in optically dense inhomogeneous media (E), OL 1: 226
- Mie scattering between any two angles (T), JOSA 67: 572
- Mie scattering by spheres in an absorbing medium (T), JOSA 64: 1593
- Mie scattering, Maxwell Garnett theory, and the Giaeever immunology slide (ET), AO 15: 2746
- Mie theory calculations: new progress, with emphasis on particle sizing (T), AO 18: 3489
- Modified six-flux method for three-dimensional radiative transfer (A), JOSA 69: 1399
- Moving phase transitions in laser-irradiated biological tissue (T), AO 18: 2286
- Mueller matrix ellipsometry with imperfect compensators (T), JOSA 68: 1519
- Multichannel forward scattering meter for oceanography (E), AO 13: 548
- Multiple reflection corrections in light-scattering experiments (T) (L), JOSA 67: 1599
- Multiple scattered radiation emerging from Rayleigh and continental haze layers. 1: Radiance, polarization, and neutral points (T), AO 15: 632
- Multiple scattered radiation emerging from Rayleigh and continental haze layers. 2: Ellipticity and direction of polarization (T), AO 15: 1003
- Multiple scattering analysis of the propagation of radiance through the atmosphere (A), JOSA 67: 1376
- Multiple scattering calculation of the middle ultraviolet reaching the ground (T), AO 13: 1567
- Multiple-scattering effects of twilight color in real earth atmospheric models (A), JOSA 64: 1390
- Multiple scattering in atmospheric clouds: lidar observations (E), AO 15: 1990
- Multiple scattering in thick layers (A), JOSA 67: 260
- Multiple scattering measurements as a function of wavelength by use of a dye laser (E) (L), AO 14: 268
- Multiple scattering: theoretical calculations compared with experimental dye-laser measurements (TE), JOSA 65: 1306
- Multisensor investigation of long-path aerosol scattering in a seashore environment (A), JOSA 68: 541
- Narrow resonance structure in the Mie scattering characteristics (T) (L), AO 17: 3019
- NBS reference hazemeter: its development and testing (E), AO 18: 1619
- Near-field impulse response examination of backscattering from dielectric spheres (T), AO 14: 2492
- New technique for measuring elements of scattering matrix using electro-optical modulators (A), JOSA 64: 1399
- Nitrogen Rayleigh scattering at 10.6  $\mu\text{m}$  (E), JOSA 67: 108
- Noncontact optical profilometer (E), AO 14: 2480
- Nondestructive determination of refractive index profile of an optical fiber: backward light scattering method (TE), AO 18: 1110
- Non-Gaussian speckle with correlated weak scatterers: a computer simulation (E), JOSA 69: 1573
- Nonspherical extinction and absorption efficiencies (T), AO 17: 3159
- Nonuniqueness in the inverse scattering problem (A), JOSA 67: 1437
- Nonunitarity of the light scattering approximations (T) (L), AO 18: 1123
- Normalization of elastic lidar returns by use of Raman rotational backscatter (E) (L), AO 14: 270
- Numerical study of scattered electromagnetic field inside a hollow dielectric cylinder. 2: Scattering of two phase-matched beams (T), AO 14: 1524
- Numerical study of scattering by large dielectric spheres (T), JOSA 68: 130
- Numerical study of the scattered electromagnetic field inside a hollow dielectric cylinder. 1: Scattering of a single beam (T), AO 14: 1516
- Observation of changes induced by picosecond light pulses in suspensions of dipalmitoyl phosphatidyl choline vesicles (E) (L), AO 18: 1870
- Observation of large particles with a laser interferometer (ET), AO 13: 610
- Ocean color spectrum calculations (T), AO 13: 2422
- Off beam axis scattering by spherical particles (T) (L), AO 16: 2016
- Opacity of black smoke: calculated variation with particle size (A), JOSA 68: 1358
- Opacity of black smoke: calculated variation with particle size and refractive index (T), AO 18: 1399
- Optical backscattering from near-spherical water, ice, and mixed phase drops (ET), AO 16: 1332
- Optical behavior of a metal island film (T), JOSA 68: 1039
- Optical fiber coating concentricity: measurement and analysis (ET), AO 16: 2383
- Optical fiber preform measurement using forward light scattering (A), JOSA 69: 1462
- Optical particle sizing for *in situ* measurements. Part 1 (T), AO 18: 1632
- Optical particle sizing for *in situ* measurements. Part 2 (E), AO 18: 1646
- Optical properties of cigarette smoke aerosols (E) (L), AO 17: 3030
- Optical properties of core-mantle particles (scattering, polarization, efficiency factors) (A), JOSA 67: 257
- Optical properties of turbid media with specularly reflecting boundaries: applications to biological problems (T), AO 16: 2007
- Optical scattering and diffusion in turbulence and scatterers (A), JOSA 68: 1368
- Optical scattering per unit mass of single particles (T) (L), AO 14: 269
- Optical studies of smoke aerosols: an inversion method and its applications (ET), OL 4: 411
- Optical system for light scattering experiments (E) (L), AO 18: 1707
- Optical time domain reflectometer (E), AO 16: 2375
- Optical time domain reflectometer: comment (T) (L), AO 17: 1675
- Optical-wave near field specified from far-field data (T), JOSA 65: 1059
- Optics of the Atmosphere, Scattering by Molecules and Particles. By Earl J. McCartney (B), Reviewed by Fenn, Robert W., AO 16: 1456
- Optics of the Atmosphere, Scattering by Molecules and Particles. By Earl J. McCartney (B), Reviewed by Fried, David L., JOSA 67: 1694
- Optimization of response functions of light scattering instruments for size evaluation of aerosol particles (TE), AO 18: 705
- Out-of-plane scattering in optical waveguides (A), JOSA 68: 1372
- Paraxial analysis of light scattering by biological cells in a flow system (TE), AO 17: 3205
- Partial coherence controlled by a progressive ultrasonic wave (TE), JOSA 69: 684
- Partial-wave resonances and the ripple structure in the Mie normalized extinction cross section (T) (L), JOSA 66: 285
- Particle diagnosis by focused light beams (A), JOSA 66: 1135
- Particle-distribution analysis using light scattering (A), JOSA 65: 1210
- Particle light scattering and absorption on a per unit mass basis (A), JOSA 67: 1376
- Particle size analysis using computer-synthesized holograms (E), AO 13: 245
- Particle size measuring device in real time for dense particulate systems (E), AO 17: 631
- Photon correlation spectroscopy of light scattered from microscopic regions (ET) (L), AO 18: 588
- Picosecond light scattering measurements of cataract microstructure (E), AO 17: 3177
- Point visibility meter: a forward scatter instrument for the measurement of aerosol extinction coefficient (ET), AO 14: 2151
- Polarization and ellipticity of light scattered from a haze layer (A), JOSA 64: 1389
- Polarization and scattering by nonspherical aerosols (A), JOSA 67: 257
- Polarization and scattering characteristics in the atmospheres of earth, Venus, and Jupiter (TE), JOSA 69: 1051
- Polarization and scattering characteristics in the atmospheres of earth, Venus, and Jupiter (TE), JOSA 69: 1191
- Polarization-dependent light scattering for sizing submicron particles (A), JOSA 69: 1451
- Polarization models of halo phenomena. I. The parhelic circle (T), JOSA 69: 1100
- Polarization properties of lidar scattering from clouds at 347 nm and 694 nm (E), AO 17: 2321
- Polarized light scattered from monodisperse randomly oriented nonspherical aerosol particles: measurements (E), AO 15: 384
- Polarized rainbow (T), AO 18: 1961
- Polydisperse-particle-size-distribution function determined from intensity profile of angularly scattered light (T), AO 18: 3494
- Portable cell for simultaneously measuring the coefficients of light scattering and extinction for ambient aerosols (E), AO 18: 1009
- Probability density function of the intensity of light reflected from a moderately rough surface in the far field (T), AO 18: 312
- Probability distribution of optical amplitude scattered from a rough object containing multiple glints (T), JOSA 67: 1266
- Propagation experiments in low-visibility atmospheres (E), AO 17: 899
- Propagation in pair-correlated distributions of small-spaced lossy scatterers (T), JOSA 69: 1567
- Propagation of the mutual coherence function for an infinite plane wave through a turbid medium (T), OL 1: 104
- Proposed method for measuring BRDF (A), JOSA 67: 1366
- Proposed method of measuring the current distribution in a tokamak plasma (E), AO 13: 1134
- Proposed multipass Thomson scattering system for tokamaks (E), AO 16: 1588
- Pulsed dye laser system for Raman and luminescence spectroscopy (E), AO 13: 1610
- Quasi-elastic light scattering from structured particles (TE), AO 16: 187
- Quasi-plane-waves and their use in radiation and scattering problems (A), JOSA 69: 1473
- Radiance distribution over a ruffled sea: contributions from glitter, sky, and ocean (T), AO 15: 3161
- Radiance produced by laser radiation transversing a particulate multiple-scattering medium (T), JOSA 67: 815
- Radiance produced by laser radiation traversing a particulate multiple-scattering medium (T) (errata), JOSA 67: 1695
- Radiance theorem and optical invariants in anisotropic media (T), JOSA 65: 668
- Radiation in the earth's atmosphere: its radiance, polarization, and ellipticity (T), AO 15: 2489
- Radiative transfer in closely packed media (T), JOSA 67: 1339
- Radiative transfer in the ocean: a method for determination of absorption and scattering properties (E) (L), AO 15: 2611
- Radiative transfer in two dimensions through fog (T), AO 17: 1797
- Radius of uncladded optical fiber from back-scattered radiation pattern, JOSA 65: 1311
- Range of validity of the Rayleigh and Thomson limits for Lorenz-Mie scattering (T), JOSA 68: 135
- Rayleigh-Debye scattering with focused laser beams (T), AO 17: 1637
- Rayleigh-Gans-Debye applicability to scattering by nonspherical particles (T), AO 17: 797
- Real time display of velocity distribution on a surface by using ultrasonic laser light frequency shifter and TV system (E) (L), AO 13: 2759
- Real-time particle sizing: increasing the capability of the instantaneous scattered intensity-ratio technique (T) (L), AO 14: 1767
- Recent developments in surface-scatter studies (A), JOSA 64: 1404
- Reconstruction of inhomogeneous scattering objects from holograms (E), AO 13: 162
- Recurrence between Mie's coefficients (T) (L), JOSA 66: 1424
- Reflection and transmission of light by a rough surface, including results for surface-plasmon effects (T), JOSA 65: 150
- Reflection and transmission terminology by analogy with scattering (L), AO 13: 460
- Refractive index and diameter determinations of step index optical fibers and preforms (E), AO 13: 2882
- Refractive index and diameter measurements of unclad optical fibers (TE), JOSA 64: 280



- Refractive-index profile of an optical fiber: its measurement by the scattering-pattern method (ET), AO 15: 2756
- Relation between absorption coefficient and imaginary index of atmospheric aerosol constituents (T), AO 18: 1368
- Relation between the angular dependence of scattering and the statistical properties of optical surfaces (TE), JOSA 69: 31
- Relationship between surface scattering and microtopographic features (A), JOSA 67: 254
- Remote detection of atmospheric aerosols using lidar (A), JOSA 67: 1370
- Remote sensing of chlorophyll in an atmosphere-ocean environment: a theoretical study (T), AO 15: 273
- Residual surface roughness of diamond-turned optics (T), AO 14: 1788
- Resonances in electromagnetic scattering by objects with negative absorption (T), AO 18: 1180
- Resonances in the efficiency factors for absorption: Mie scattering theory (T) (L), AO 17: 491
- Resonant fluorescent scattering of solar radiation by the fourth positive band system of CO (T), AO 14: 1513
- Response calculations for light-scattering aerosol particle counters (T), AO 14: 734
- Retrieval of aerosol size distributions by inversion of simulated aureole data in the presence of multiple scattering (T), AO 18: 1376
- Retroreflectance measurements of photometric standards and coatings (E), AO 15: 1845
- Retroreflectance measurements of photometric standards and coatings. part 2 (E), AO 16: 2861
- Review of radiative transfer methods in scattering atmospheres (A), JOSA 67: 260
- Ripple structure of the extinction coefficient (E) (L), AO 16: 281
- Rotational-translational models for interpretation of quasi-elastic light scattering spectra of motile bacteria (TE), AO 17: 3197
- Roughness characterization of smooth machined surfaces by light scattering (ET), AO 14: 1796
- Roughness measurements of metal surfaces using laser speckle (E), JOSA 67: 1171
- Ruby filter for stray light reduction in scattering experiments (E) (L), AO 15: 573
- Sample space for particle size and velocity measuring interferometers (T), AO 15: 1984
- Satellite measurement of mass of Sahara dust in the atmosphere (TE), AO 15: 2471
- Saturated resonant light scattering (A), JOSA 67: 1398
- Scattering and absorption of electromagnetic radiation by thin dielectric disks (T), AO 15: 1832
- Scattering by glass microballons and multitone interferometry (A), JOSA 66: 1135
- Scattering by inhomogeneous nonspherical objects (T), AO 18: 1190
- Scattering by spheres with nonisotropic refractive indices (ET), AO 15: 1212
- Scattering by tenuous aerosols (A), JOSA 67: 257
- Scattering from a moving spherical particle by two crossed coherent plane waves (T), AO 16: 619
- Scattering from an eccentrically stratified dielectric sphere (T), JOSA 69: 1359
- Scattering from a polydispersion of tumbled spheroids (A), JOSA 67: 257
- Scattering from a spherical particle by two crossed coherent beams (A), JOSA 64: 1398
- Scattering from micron-sized particles in the infrared (A), JOSA 64: 528
- Scattering from side-illuminated clad glass fibers for determination of fiber parameters (TE), JOSA 64: 767
- Scattering from thin and finite dielectric fibers (T), JOSA 68: 194
- Scattering functions of nonspherical dielectric and absorbing particles vs Mie theory (E) (L), AO 16: 777
- Scattering-independent determination of the thermal-emission profile of a planetary atmosphere and related radiative-equilibrium considerations (T), JOSA 64: 145
- Scattering in spherically symmetric media (T), AO 18: 2307
- Scattering in ZnO-sapphire optical waveguides (TE), AO 14: 923
- Scattering of a finite beam in a random medium with a non-homogeneous background (A), JOSA 64: 546
- Scattering of an electromagnetic wave from dielectric bodies of irregular shape (T), JOSA 69: 756
- Scattering of electromagnetic beams by spherical objects (T), JOSA 68: 763
- Scattering of electromagnetic waves by arbitrarily shaped dielectric bodies (T), AO 14: 2864
- Scattering of focused beams by tenuous particles (T), AO 18: 294
- Scattering of light by dielectric particles: a statistical theory (T), JOSA 69: 1554
- Scattering of 0.627- $\mu$ m light from spheroidal 2- $\mu$ m *cladosporium* and cubical 4- $\mu$ m NaCl particles (E), AO 18: 3328
- Scattering of optical surface waves by a covered groove (T), AO 16: 1543
- Scattering of solar radiation by hexagonal ice crystals (T), AO 18: 2663
- Scattering of two coherent light beams (T), JOSA 65: 586
- Scattering of ultraviolet radiation by aerosols in the lower atmosphere (A), JOSA 67: 259
- Scattering phenomena in volume holograms with strong coupling (ET), AO 17: 116
- Scattering properties of irregular dielectric and absorbing particles (A), JOSA 67: 257
- Scattering properties of optical surfaces and baffle materials for infrared systems (A), JOSA 67: 254
- Scattering techniques to detect and record various human cell types (A), JOSA 66: 387
- Scattering theory of multilayer optical coatings (A), JOSA 68: 1418
- Scatter losses of broadband interference coatings (E), AO 18: 818
- Sea echo measurements made with 1.06- $\mu$ m laser radiation (E) (L), AO 13: 2477
- Separation of dust and molecular scattering contributions to the lidar observation: a method (T), AO 14: 1917
- Shearing interferometer as an interferometric filter for the reduction of scattered light (TE), AO 16: 195
- Simplified phase functions for colorant characterization (T), JOSA 65: 839
- Single and multiple scattering contributions to circumsolar radiation (T), AO 17: 3794
- Single-particle light-scattering measurements with a photodiode array (E), OL 1: 223
- Single particle scattering with focused laser beams (TE), AO 16: 1104
- Single-scattering solution for radiative transfer through a turbid atmosphere (T), AO 17: 3431
- Single strip diffraction: comparison of Kirchhoff theory and geometrical theory with the exact solution in the limit of small glancing angle and width; perpendicular polarization (T), AO 15: 2866
- Size—refractive index distribution of clear coastal water particulates from light scattering (TE), AO 13: 2874
- Skylab-earth laser-beacon experiment: results and analysis (E) (L), JOSA 69: 1180
- Skylab-earth laser-beacon experiment: results and analysis (E) (L), JOSA 69: 1198
- Small-angle multiple scattering of a laser beam (A), JOSA 67: 1376
- Small-object counting and classification by scattered light (A), JOSA 64: 1399
- Solutions of a modified transport equation for multiple scattering in suspensions of highly anisotropic scatterers (T), JOSA 64: 503
- Some measurements of the attenuation of solar radiation during BOMEX (E), AO 13: 487
- Source distribution of multipole fields from far-field data (A), JOSA 65: 1225
- Sources of a  $1/\theta^2$  scattering from optical surfaces (A), JOSA 68: 1426
- Sources of surface scattering (A), JOSA 69: 1404
- Spatial coherence in Rayleigh-scattered light (E) (L), JOSA 64: 1276
- Spatial coherence measurements of Rayleigh-scattered light (T) (L), JOSA 65: 740
- Spatial coherence of light scattered by media with large correlation length of refractive index fluctuations (E), AO 15: 1842
- Spatial coherence properties of light scattered by disclinations in a liquid crystal (TE), AO 15: 2468
- Spatial resolution enhancement in coaxial light scattering geometries (ET) (L), AO 16: 804
- Spectral reflectance of particulate materials: a Monte Carlo model including asperity scattering (TE), AO 17: 245
- Spectral variations in the volume scattering function at large angles in natural waters (TE), JOSA 64: 773
- Spectrum of back-scattered 10- $\mu$ m light from laser-induced plasmas (A), JOSA 64: 535
- Spherical particle populations: approximate analytic relationship between size distribution parameters and integral optical properties (T), AO 15: 1178
- Statistical inference of particle populations from scattered light (T), JOSA 69: 1684
- Statistical Properties of Scattered Light. By B. Crosignani, P. Diporto, and M. Bertolotti (B), Reviewed by Chen, Sow-Hsin, AO 14: 2802
- Statistical Properties of Scattered Light. By B. Crosignani, P. Di Porto, and M. Bertolotti (B), Reviewed by Scully, Marlan O., JOSA 66: 80
- Statistics of irradiance scattered from a diffuse object containing multiple glints (A), JOSA 68: 1369
- Statistics of scattering from a moderately rough surface (A), JOSA 66: 179
- Stochastic approximation to multiple scattering in clouds (T), AO 18: 1627
- Stray light control in an optical system (P), AO 18: A213
- Stray light suppression in optical space experiments (E), AO 13: 556
- Structural effects in quasi-elastic light scattering from motile bacteria of *E. coli* (ET), AO 17: 1930
- Structural measurement by inverse scattering in the first Born approximation (E) (L), AO 15: 313
- Study of laser speckles in the presence of spherical aberration (E), JOSA 69: 877
- Suppression of scattered radiation in radiography and improvement of resolution by spatially modulated intensity (T), AO 15: 648
- Surface finish specifications (A), JOSA 69: 1404
- Surface scattering in optical interference coatings (A), JOSA 66: 164
- Temporal and spatial frequency spectra for atmospheric aerosols (A), JOSA 67: 259
- Temporal characteristics of single-scatter radiation (T), JOSA 69: 464
- Theory of phase conjugation by stimulated scattering in a waveguide (T), JOSA 68: 1050
- Theory of the rainbow (T), JOSA 69: 1089
- Theory of the scattering-phase-matrix determination for ice crystals (T), JOSA 65: 159
- Three-dimensional real-time measurements of ultrasonic waves in transparent solids (E), AO 17: 2686
- Three-parameter analytic phase function for multiple-scattering calculations (A), JOSA 64: 1390
- Time-dependent spectra (T) (L), JOSA 69: 1043
- Time-reversed replication of a wave front (P), AO 18: 3341
- TM polarized electromagnetic scattering from fin-corrugated periodic surfaces (TE), JOSA 66: 1363
- Total integrated optical scattering in the vacuum ultraviolet: polished CVD SiC (E) (L), AO 16: 1111
- Transfer function characterization of scattering surfaces (A), JOSA 66: 1136
- Transmittance: an index to shape changes of blood platelets (T) (L), AO 14: 2324
- Transparency of pair-correlated, random distributions of small scatterers, with applications to the cornea (T), JOSA 65: 524
- Triple grating polychromator for Thomson scattering (TE), AO 16: 587
- Tunable submillimeter-wave sources based on laser light scattering (A), JOSA 65: 1204
- Two-wavelength lidar scattering from atmospheric clouds (A), JOSA 67: 1369
- Ultraviolet aureole around a source at a finite distance (T), AO 17: 1923
- Use of rainfall-induced optical scintillations to measure path-averaged rain parameters (T), JOSA 65: 927
- Validity of modifying Mie theory to describe scattering by nonspherical particles (T) (L), AO 17: 3851
- Variational principle for scattering of light by dielectric particles (T) (L), AO 17: 3707
- Variation in optical transmission and electrical resistance in a single sulfur liquid droplet during polymerization (E), AO 16: 433
- Visual observations from space (E), JOSA 69: 1064



- Visual observations from space (E), JOSA 69: 1192
- Volume scattering function of suspended particulate matter at near-forward angles: a comparison of experimental and theoretical values (ET), AO 17: 1125
- Wave propagation along a dielectric interface (T), JOSA 64: 794
- Weak refractive scattering: a model system (T) (L), JOSA 69: 1036
- What property of a haze is determined by light scattering? 2: Nonuniform particles of arbitrary shape (T), AO 15: 2464
- What size of ice crystals causes the halos? JOSA 69: 1112
- Yule-Nielsen effect in printing: a physical analysis (T), AO 17: 3376

## Scattering, Brillouin

- See also Spectroscopy, Brillouin
- Bandwidth-limited operation of a mode-locked Brillouin parametric oscillator (A), JOSA 68: 663
- Brillouin remote sensing (A), JOSA 67: 1410
- Brillouin scattering at high pressures in molecular crystals: KCN (A), JOSA 66: 1106
- Brillouin scattering from thin-film waveguides (A), JOSA 67: 1410
- Brillouin scattering in inorganic glasses (A), JOSA 67: 1410
- Brillouin scattering in single crystals of cyclohexane and CO (A), JOSA 67: 1409
- Brillouin-scattering measurements of the acoustic absorption coefficient in liquid CS<sub>2</sub> (E), JOSA 65: 6
- Brillouin spectrum and elastic constants of parahydrogen (A), JOSA 67: 1409
- Brillouin spectrum of solid methane and determination of elastic and elasto-optical properties (A), JOSA 68: 1402
- Computer-controlled Fabry-Perot interferometer for Brillouin spectroscopy (E), AO 18: 540
- Correction of phase aberrations via stimulated Brillouin scattering (E), OL 2: 4
- High-precision measurements of Brillouin scattering frequencies (E), AO 18: 3815
- Image reconstruction via phase-conjugated stimulated Brillouin scattering (A), JOSA 68: 1627
- Imaging through a surface of an anisotropic medium with application to light scattering (T), JOSA 66: 694
- Iodine spectrometer for low-shifted light scattering (ET), JOSA 65: 22
- Light scattering from thermally excited surface phonons (A), JOSA 68: 551
- Multiple reflection corrections in light-scattering experiments (T) (L), JOSA 67: 1599
- Nonlinear theory of Raman and Brillouin backscattering (A), JOSA 68: 543
- Rayleigh-Brillouin spectrum of compressed He, Ne, and Ar (A), JOSA 67: 1410
- Scattering of Light by Crystals. By W. Hayes and R. Loudon (B), Reviewed by Nelson, D. F., AO 18: 1472
- Sound-induced anomalous transmission of light through semiconducting crystals below the plasma edge (T), JOSA 68: 42
- Stimulated Brillouin scattering from underdense plasmas (A), JOSA 67: 1409

## Scattering, Raman

- Absolute rotational Raman cross sections for N<sub>2</sub>, O<sub>2</sub>, and CO<sub>2</sub> (TE), JOSA 64: 712
- Acquisition of remote atmospheric temperature profiles by use of Raman lidar backscatter (A), JOSA 68: 1434
- Application of Raman scattering to the characterization of atmospheric aerosol particles (A), JOSA 67: 258
- Atmospheric temperature profiles from lidar measurements of rotational Raman and elastic scattering (T), AO 15: 2896
- Australian spectroscopy conference, eleventh, Brisbane, 28 Aug-1 Sep 1978 (M), Reported by Steinfeld, Jeffrey I., AO 17: 3711
- Backward stimulated Raman scattering in multimode fiber (E) (L), AO 17: 2486
- Brewster angle optical Dewar: construction of an inexpensive model for cryogenic or simple liquids for laser Raman scattering experiments (E) (L), AO 14: 2056
- Broadband UV stimulated Raman scattering with excimer lasers (A), JOSA 68: 677
- Broadly tunable UV-source based on stimulated Raman scattering (A), JOSA 68: 1626
- Characteristics of stimulated Raman scattering in multimode fiber (A), JOSA 68: 1383
- Coherent anti-Stokes Raman scattering with counterpropagating laser beams (ET), OL 4: 170
- Coherent anti-Stokes Raman spectroscopy measurements in an internal combustion engine (E), AO 18: 3819
- Coherent Raman bag of tricks (A), JOSA 66: 1117
- Collision-induced rotational Raman scattering (T), OL 1: 220
- Differential-absorption lidar measurements in the oxygen A band using a ruby lidar and stimulated Raman scattering (E), OL 4: 78
- Double-beam Raman difference spectroscopy (E) (L), AO 16: 2044
- Efficient near-infrared stimulated Raman scattering in glass fiber waveguides (A), JOSA 67: 255
- Efficient Raman conversion of XeCl-laser radiation in metal vapors (E), OL 3: 215
- Electronic Structure of Noble Metals and Polariton-Mediated Light Scattering. By B. Lengeler and B. Bendow (B), Reviewed by Falicov, L. M., AO 17: 3853
- Excitation-frequency dependence of Raman scattering from simple gases (A), JOSA 64: 529
- Focused, multiple-pass cell for Raman scattering (E), AO 13: 186
- Focused multiple-pass cell for Raman scattering: comment (ET) (L), AO 13: 1739
- Focused multiple-pass cell for Raman scattering: reply to comment (E) (L), AO 13: 1739
- High-power 16  $\mu$ m generation by stimulated Raman scattering of iodine laser radiation (A), JOSA 68: 1624
- Imaging through a surface of an anisotropic medium with application to light scattering (T), JOSA 66: 694
- Internal field resonance structure: implications for optical absorption and scattering by microscopic particles (T), JOSA 68: 1242
- Inverse Raman scattering: continuous generation in optical fibers (A), JOSA 68: 1383
- Ionization studies in Ba vapor via stimulated electronic Raman scattering in Ba<sup>+</sup> (A), JOSA 68: 1631
- Is the dispersive asymmetry of the elasto-optical tensor measurable? (A), JOSA 67: 1410
- Laser radar measurements of atmospheric temperature profiles by use of Raman rotational backscatter (L), AO 15: 602
- Lidar measurements of rotational Raman and double scattering (TE), AO 17: 1905
- Light scattering in optical waveguides (T), AO 17: 3226
- Measurement of gas properties: comments on the laser Raman workshop (M), Reported by Lapp, Marshall; Penney, C. M., AO 13: 9A14
- Measuring small depolarization factors in compressed gases: an improved method (E) (L), AO 16: 3074
- Methods for obtaining the Raman spectrum of a thin-film on a dielectric or metal surface (A), JOSA 67: 1410
- 16  $\mu$ m generation by CO<sub>2</sub> pumped rotational Raman scattering in H<sub>2</sub> (A), JOSA 68: 1393
- 16  $\mu$ m generation by CO<sub>2</sub>-pumped rotational Raman scattering in H<sub>2</sub> (A), JOSA 68: 1622
- NaNO<sub>3</sub> soft-lattice mode observed using Raman scattering (A), JOSA 67: 1411
- New method to measure stress-induced birefringence in an opaque material: stress-induced Raman scattering (E), JOSA 68: 523
- New technique for measurement of Raman dephasing dynamics (A), JOSA 68: 1625
- Nonlinear theory of Raman and Brillouin backscattering (A), JOSA 68: 543
- Optical energy and spatial filter for high local resolution Raman spectroscopy with giant pulse lasers (ET), AO 18: 357
- Pressure dependence of integrated CARS power (ET), AO 17: 1418
- Pulsed spontaneous Raman scattering technique for luminous environments (E), AO 17: 2695
- Quenching of two-photon fluorescence and stimulated anti-Stokes emission in rhodamine solutions (E), AO 18: 1383
- Raman and fluorescent scattering by molecules embedded in small particles (A), JOSA 68: 1452
- Raman and fluorescent scattering by molecules embedded in spheres with radii up to several multiples of the wavelength (T), AO 18: 1172

- Raman and fluorescent scattering by molecules embedded in concentric spheres (T), JOSA 66: 440
- Raman and fluorescent scattering by molecules embedded in small particles: numerical results for noncoherent optical processes (T), JOSA 68: 1676
- Raman and fluorescent scattering by molecules embedded in small particles: results for coherent optical processes (T), JOSA 68: 1686
- Raman-lidar humidity sounding of the atmospheric boundary-layer (E), AO 18: 1141
- Raman scattering by solids: study of phase transitions (A), JOSA 66: 1100
- Raman-scattering cross sections for water vapor (ET), JOSA 66: 422
- Raman scattering in NH<sub>4</sub>Cl under pressure (A), JOSA 66: 1105
- Raman scattering studies of vibronically coupled impurity states (A), JOSA 67: 1422
- Raman spectra of crystalline InSe (A), JOSA 67: 1411
- Remote detection of pollutants using resonance Raman scattering (TE), AO 14: 2703
- Remote sensing of subsurface water temperature by Raman scattering (ET), AO 18: 1732
- Retroreflecting multipass cell for Raman scattering (E), AO 16: 2004
- Scattering of Light by Crystals. By W. Hayes and R. Loudon (B), Reviewed by Nelson, D. F., AO 18: 1472
- Scattering times in resonant Raman scattering (A), JOSA 64: 529
- Short wire as a microwave analogue to molecular Raman scatterers (T), AO 14: 2727
- Spatially resolved coherent anti-Stokes Raman spectroscopy from a line across a CH<sub>4</sub> jet (E), OL 4: 167
- Spectra of stimulated Raman scattering in silica-fiber waveguides (A), JOSA 67: 709
- Spectroscopy at very high pressures. 14: Laser Raman scattering in ultrasmall samples in a diamond anvil cell (E), AO 16: 2572
- Stimulated Raman scattering in multimode fibers (A), JOSA 67: 707
- Stimulated rotational Raman scattering from *para*-H<sub>2</sub> pumped by a CO<sub>2</sub> TEA laser (E), OL 3: 147
- Synchronous, mode-locked pumping of gas lasers (ET), OL 4: 6
- Time- and space-resolved Raman scattering measurements in flames (A), JOSA 66: 1106
- Time-resolved infrared spectral photography (E), OL 4: 103
- Unenhanced and enhanced Raman scattering (A), JOSA 68: 1448

## Scattering, Rayleigh

- Laser-induced electrostriction in neutral gases monitored by nonlinear Rayleigh scattering (A), JOSA 68: 644
- Measuring small depolarization factors in compressed gases: an improved method (E) (L), AO 16: 3074
- Rayleigh scattering coefficients for dry air, carbon dioxide, and Freon-12 (T) (L), AO 13: 468
- Scattering of Light by Crystals. By W. Hayes and R. Loudon (B), Reviewed by Nelson, D. F., AO 18: 1472
- Sky color near the horizon during a total solar eclipse (T), AO 14: 2831

## Schlieren technique

- Diffraction limitations for plasma electron density measurements with schlieren methods (T), AO 14: 2537
- High spatial resolution schlieren photography (E), AO 16: 473
- Holographic schlieren method (P), AO 13: 976
- Interferometry with schlieren microscopy (ET), AO 16: 470
- Microscopic color schlieren system using a wedge-type interference filter (E) (L), AO 15: 2017
- Optical measurements of liquid film profile and dynamic contact angle (E) (L), AO 14: 1764
- Optical system employing a laser light source (P), AO 14: 2549
- Quantitative Schlieren Methods in Gas Dynamics. By M. M. Skotnikov (B), Reviewed by Uscinski, B. J., AO 18: 1265
- Quantitative schlieren visualization (E), AO 17: 837



- Schlieren, Franz J. (N), AO 15: 235  
Schlieren method for the determination of electric field distributions in dielectrics (ET), AO 18: 3990  
Shadow Methods. By L. A. Vasiliev (B), Reviewed by Hawkes, P. W., AO 16: 7  
Shearing interferometer inaccuracies due to a misaligned test section (TE) (L), AO 17: 2873
- Schneider**  
Schneider & Co., optical activities (TE) (N), AO 13: 707
- Science**  
AAAS Committee on Scientific Freedom and Responsibility (N), AO 16: 2340  
AAAS Project on the handicapped in science (N), AO 15: A14  
AAAS symposium (N), JOSA 66: 299  
Activities at the Optical Sciences Center (N), AO 17: 2256  
Advanced NATO Study Institutes, NSF support for student participation in (N), AO 16: 1512  
Aid to handicapped (N), JOSA 65: 1391  
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Committee of scientific society presidents (N), JOSA 64: 1028  
Communications and interaction between scientists and lawyers, national conference group (N), AO 13: 2684  
Congressional fellows (N), JOSA 64: 900  
Congressional Science and Engineering Fellowship, 1977-78, Douglas A. Segar (N), AO 16: 2742  
Congressional science fellows: a bridge to better understanding and public policy (A), JOSA 68: 1410  
Continuing Education in Science and Engineering, NSF report (N), AO 17: 2877  
Creative Engineer. By Winston E. Kock (B), Reviewed by Eastman, Jay M., AO 18: 3160  
Criteria for selection of research projects by NSF (N), AO 14: 1612  
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*European Scientific Notes* (N), JOSA 65: 476  
Expenditures for Scientific and Engineering Activities at Universities and Colleges, Federal Year 1973. Surveys of Science Resources Series NSF 75-316, National Science Foundation (B), Reviewed by Silverman, Shirleigh, AO 15: 846  
Federal coordinating council for science, engineering, and technology (N), AO 16: 392  
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Field Concept in Contemporary Science. By Mendel Sachs (B), Reviewed by Bryant, Howard C., JOSA 64: 112  
First Sputnik created a celestial traffic jam (N), AO 17: 979  
Graduate science and engineering enrollment leveled off in 1976 (N), AO 16: 1365  
Graduate science enrollments (N), JOSA 66: 403  
Great Foucault pendulum caper (N), AO 16: 783  
Handicapped scientists (N), JOSA 67: 1450  
H.E.W. fellows program (N), JOSA 66: 1455  
Index to Biographical Fragments in Unspecialized Scientific Journals. By E. Scott Barr (B), Reviewed by Howard, John N., AO 13: 1726  
Industry hires more Ph.D. scientists and engineers in 1973-75 period (N), AO 16: 153  
International cooperation articles (N), AO 17: 1823  
Inventory of programs in science and mathematics for women (N), AO 17: 2854  
Inventory of programs in science, mathematics and engineering for women and girls (N), AO 17: 3183  
Joint Ph.D. program in philosophy and history of science at University of Wisconsin (N), AO 16: 2660  
Listing of peer reviewers used by NSF divisions (N), AO 16: 2499  
Ma Bell's great dream machine (N), AO 17: 3025  
Manpower Resources for Scientific Activities at Universities and Colleges January 1975; NSF Report 76-311 (B), Reviewed by Silverman, Shirleigh, AO 16: 796  
Manpower Resources for Scientific Activities at Universities and Colleges, January 1976 (B), Reviewed by Silverman, Shirleigh, AO 16: 2600  
Memorandum of cooperation signed by National Bureau of Standards and Soviet Academy (N), AO 18: 2836  
Mexican Americans American Indians Science and NSF (N), AO 18: A163  
More aid to handicapped (N), JOSA 66: 299  
More women college students are taking math and science courses (N), AO 16: 2222  
Mosaic January-February contents (N), AO 17: 1227  
Mosaic November-December contents (N), AO 15: 3114  
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National Research Council of Canada undertakes historical and archival work (N), AO 17: 2738  
National Science Board (N), AO 17: 3095  
National Science Board peer review information (N), AO 14: 1757  
National Science Board professional staff established (N), AO 16: 1974  
National Science Board report, *Science Indicators*—1976 (N), AO 17: 1883  
National science foundation budget for FY 1978 (N), AO 16: 1461  
Nature and Knowledge. The Philosophy of Contemporary Science. By J. Bronowski (B), Reviewed by Green, J. H. S., AO 14: A18  
New beginning for science (N), JOSA 66: 750  
New Zealand Directory of Optics (N), AO 17: 577  
No growth in graduate science, engineering enrollment in 1977 (N), AO 17: 2357  
Nominations sought for Alan T. Waterman Award (N), AO 15: 2538  
Nominations sought for membership of National Science Board (N), AO 16: 2151  
NSF Annual Report (N), AO 18: 96  
NSF authorization and appropriation (N), AO 17: 450  
NSF 1976 budget request (N), AO 15: 383  
NSF FY 1979 budget request (N), AO 17: 1897  
NSF information reports available (N), AO 17: 2328  
NSF international travel grant program (N), AO 18: A116  
NSF peer review system (N), AO 16: 2746  
NSF recently established program on international science studies (N), AO 16: 1370  
NSF report manufacturing industries with high concentrations of scientists and engineers lead in 1965-77 employment growth (N), AO 18: A149  
NSF revised procedure for international travel (N), AO 15: 3110  
NSF science for citizens program (N), JOSA 66: 191  
NSF search for directors in astronomical, atmospheric, ocean sciences (N), AO 15: 724  
NSF's personal mobility program intergovernmental personnel act (IGPA) (N), AO 16: 1171  
NSF's program, National Needs Science Faculty Professional Development (N), AO 15: 3083  
NSF's report Manpower resources for scientific activities at universities and colleges, January 1975 (N), AO 15: 2936  
NSF supports conferences, symposia and research workshops in special areas of science (N), AO 16: 1524  
Obligation of intellectuals to be intelligent (N), AO 17: A251  
Office of Technology Assessment brief facts (N), AO 17: 2468  
Office of Technology Assessment candidates for its Congressional Fellowship Program for 1979-80 (N), AO 18: 1512  
One scientist's year on capitol hill (A), JOSA 67: 1413  
Optics and opticians, poem (N), AO 17: 2197  
Optics in Poland (N), AO 17: 2091  
Optics recreational books (N), AO 17: A240  
Organization of NSF's new directorate for scientific, technological, and international affairs (N), AO 15: 1209  
Parascience books (N), AO 17: A143  
Parasciences (N), AO 17: A15  
People's Republic of China and Stanford University begin academic exchange (N), AO 17: 3607  
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Physics journals, costs and libraries (N), AO 17: A41  
Politics of Pure Science. By Daniel S. Greenberg (B), Reviewed by Lovell, D. J., AO 14: 1466  
Positions open at NSF (N), AO 18: 2485  
Preparing of proposals for NSF (N), AO 13: 1493  
Preparing scientific papers (N), AO 16: 3061  
President Carter nominates National Science Board Members (N), AO 18: 1532  
Program directors sought for biological, behavioral, and social sciences directorate NSF (N), AO 15: 3134  
Program directors sought for NSF mathematical and computer science programs (N), AO 16: 1434  
Program managers needed for NSF science education directorate (N), AO 16: 1242  
Progress in U.S.S.R. (N), AO 15: A114  
Projections of Science and Engineering Doctorate Supply and Utilization, 1980 and 1985 Report (N), AO 15: 238  
Proposal guidelines on Science Information Service, NSF (N), AO 14: 1502  
Publication: academia in transition (N), AO 18: 1304  
Publication on dissemination of scientific and technical information (N), AO 15: 2094  
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Resources studies by NSF (N), AO 17: 1814  
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- Scientific and technical manpower projections: proceedings of seminar (N), AO 15: 2090
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- Subcommittee on science, research and technology reports on OTA and its enabling statute (N), AO 18: 286
- Summaries of NSF projects completed in FY 1977 (N), AO 17: 1869
- Texas Instruments founders prize (N), JOSA 66: 1455
- Trends and patterns of the immigration of scientists and engineers to the United States (N), AO 16: 2773
- Tyndall, John: unifier of 19th century science (L), AO 18: 255
- United States—East Asia Cooperative Scientific Activities (N), AO 16: 606
- U.S., Bulgaria sign scientific and technological agreement (N), AO 17: 2467
- U.S. government needs advice (N), AO 14: A14
- U.S.-India exchange of students (N), AO 15: 2312
- U.S.-Israel Binational Science Foundation report (N), AO 16: 1532
- U.S.-Israel Binational Science Foundation brochure, *Applications for Grants and Guidelines for Recipients* (N), AO 17: 1964
- U. S. Office of Naval Research, ONR, thirtieth anniversary symposium (N), JOSA 66: 1315
- U.S. scientists offered Japanese research awards (N), AO 13: 378
- U.S./U.S.S.R. agreement on science and technology (N), AO 17: 202
- Utilization of science and engineering doctorates in industrial research and development, NSF report (N), AO 17: 2152
- Voluntary early retirement and mid-career change for academic faculty, NSF report (N), AO 17: 2118
- Women and Minorities in Science and Engineering* report published by NSF (N), AO 16: 2165
- Women in science and engineering; the future is now (N), AO 16: 529
- Women in science career workshops (N), AO 18: A36
- Women scientists to visit U.S. high schools (N), AO 18: A36
- ## Scintillation
- See also Atmospheric optics, Turbulence
- Aperture-averaging effects for weak scintillations (ET), JOSA 64: 162
- Asymptotic parameter realms and scintillation scales for extended sources in turbulence (T) (L), AO 15: 2303
- Atmospheric beam-wander cancellation by a fast-tracking transmitter (E) (L), JOSA 64: 1015
- Atmospheric refractive effects on coherent lidar performance at 10.6  $\mu\text{m}$  (E), AO 18: 3911
- Atmospheric scintillation of optical and infrared waves: a laboratory simulation (E), AO 16: 2242
- Beam wave two-frequency mutual-coherence function and pulse propagation in random media: an analytic solution (T), AO 18: 1613
- Calculations of the detection probability of tracker-steered laser pulses in the presence of atmospheric scintillation (A), JOSA 68: 540
- Capacity of polarization and amplitude modulated links in the presence of atmospheric scintillation (T), AO 16: 1993
- Carbon dioxide coherent propagation through the marine boundary layer (A), JOSA 68: 541
- Comparison of scintillometer and microthermometer measurements of  $C_N^2$  (E), JOSA 65: 938
- Conditional fading statistics of scintillation (E) (A), JOSA 68: 756
- Correlation and structure functions for arbitrary optical beams in a random medium (T) (L), JOSA 68: 536
- Detection of atmospheric turbulent layers by spatiotemporal and spatioangular correlation measurements of stellar-light scintillation (ET), JOSA 64: 1000
- Detection of optical pulses: the effect of atmospheric scintillation (T), AO 15: 2501
- Detector nonlinearity effects on the statistics of a fluctuating signal (T), AO 17: 1286
- Diffraction theory of optical scintillations due to turbulent layers (T), JOSA 65: 78
- Effect of recording process in evaluating higher-order propagation statistics (TE) (L), JOSA 68: 1350
- Effect of source temporal coherence on light scintillations in weak turbulence (T), JOSA 69: 71
- Effects of atmospheric turbulence on the laser cross-beam velocimeter (T), JOSA 64: 1005
- Einfluss der Scintillation auf den Faktor  $k$  der Sonnenfleckenrelativzahl (E), AO 14: 395
- Equivalence of two theories of strong optical scintillation (T), JOSA 64: 1641
- Fine calibration of large-aperture optical scintillometers and an optical estimate of inner scale of turbulence (TE), AO 17: 3608
- Finite aperture optical scintillometer for profiling wind and  $C_N^2$  (ET), AO 17: 3774
- Focused-laser-beam scintillations in the turbulent atmosphere (T) (L), JOSA 64: 516
- Generalized spherical wave mutual coherence function (T) (L), JOSA 67: 1279
- Higher-order skewness and excess coefficients of some probability distributions applicable to optical propagation phenomena (T) (L), JOSA 69: 199
- Image information by means of speckle-pattern processing (TE), JOSA 65: 279
- Initial evaluation of performance of adaptive optical systems with extended dynamic targets (T), JOSA 67: 345
- Intensity fluctuations of an atmospherically degraded beam at the focus of a large collecting lens (ET) (L), AO 16: 1128
- Irradiance fluctuations of a spherical wave propagating under saturation conditions (T), JOSA 64: 1526
- Irradiance scintillation of a partially coherent source in extremely strong turbulence (A), JOSA 68: 1369
- Irradiance scintillations: comparison of theory with experiment (TE), JOSA 65: 548
- Irradiance scintillations of a partially coherent source in extremely strong turbulence (T) (L), AO 18: 1133
- Isoplanicity: the translation invariance of the atmospheric Green's function (T), JOSA 65: 1321
- $K$  distributions in atmospheric propagation of laser light (T) (L), JOSA 69: 796
- Laser-beam scintillation beyond the turbulent atmosphere (A), JOSA 65: 1217
- Laser-beam scintillation beyond the turbulent atmosphere: a numerical computation (TE), AO 15: 2534
- Laser wind sensing: the effects of saturation of scintillation (TE), AO 15: 403
- Log-normal paradox in atmospheric scintillations (T), JOSA 64: 583
- Measurement of rain parameters by optical scintillation (ET), AO 16: 2236
- Measurement of rain parameters by optical scintillation: computer simulation of the correlation method (T), AO 16: 3176
- Measurements of three-parameter log-normally distributed optical-field irradiance fluctuations in a turbulent medium (TE), JOSA 65: 655
- Messung der Richtungsszintillation mit einem Schnittbildentfernungsmesser (TE), AO 17: 2622
- Modified spectrum of atmospheric temperature fluctuations and its application to optical propagation (T), JOSA 68: 892
- Observations of eclipse shadow bands and related phenomena (E) (L), AO 18: 3538
- Optical propagation in laboratory-generated turbulence (E), AO 18: 3315
- Optical propagation in turbulent water (T), JOSA 68: 1067
- Optical propagation through a random phase screen (A), JOSA 68: 540
- Optical velocimeter for precipitation (A), JOSA 68: 541
- Optical wind sensing by observing the scintillations of a random scene (TE), AO 14: 2844
- Passive remote crosswind sensor (E) (L), AO 16: 2625
- Perturbed log-normal distribution of irradiance fluctuations (T), JOSA 64: 894
- Phase approximation of the Huygens-Kirchhoff method in problems of space-limited optical-beam propagation in turbulent atmosphere (T), OL 4: 259
- Phase approximation of the Huygens-Kirchhoff method in problems of reflections of optical waves in the turbulent atmosphere (T), JOSA 69: 1609
- Phase screen theory of laser-beam scintillations (A), JOSA 65: 1217
- Phenomenological model of scintillation (TE), AO 15: 2511
- Physical model for strong optical-amplitude fluctuations in a turbulent medium (T), JOSA 64: 59
- Prediction of the temporal scintillation spectrum of a blemished laser beam (A), JOSA 67: 1375
- Probability distribution of the sum of  $N$  complex random variables (T), JOSA 67: 181
- Real-time correction of atmospherically degraded telescope images through image sharpening (T), JOSA 64: 1200
- Refractive index fluctuations in IR laser absorption spectrometers (A), JOSA 68: 539
- Refractive-turbulence profiles measured by one-dimensional spatial filtering of scintillations (TE), AO 15: 2504
- Remote probing using spatially filtered apertures (TE), JOSA 64: 1295
- Results for the variance of the irradiance of a finite beam in a random medium (T) (L), JOSA 65: 608
- Saturation of optical scintillation by strong turbulence (TE), JOSA 64: 148
- Scintillation effects of high-altitude turbulence (A), JOSA 64: 540
- Scintillations in strong turbulence for finite laser spectral widths (A), JOSA 68: 540
- Scintillation statistics caused by atmospheric turbulence and speckle in satellite laser ranging (T), AO 16: 2408
- Scintillation statistics measured in an earth-space-earth retroreflector link (E), AO 16: 2654
- Simplified optical path-averaged rain gauge (TE), AO 17: 384
- Spatial irradiance interferometry with sources of arbitrary symmetry, JOSA 64: 11
- Spectral covariance of scintillations (E) (L), AO 15: 2305
- Statistical tests of distributional hypotheses applied to irradiance fluctuations (A), JOSA 68: 540
- Statistics of stellar speckle patterns (E), AO 17: 3779
- Strong irradiance fluctuations in turbulent air, III. Diffraction cutoff (T), JOSA 64: 360
- Supersaturation: effect of a high-frequency cutoff on strong optical-scintillation measurements (T), JOSA 64: 1211
- Temporal-frequency spectra for waves propagating over straight and folded paths: a comparison (T), AO 14: 1161
- Temporal-frequency spectrum of an optical wave propagating under saturation conditions (T), JOSA 64: 357
- Temporal power spectrum of rainfall-induced optical scintillation (A), JOSA 64: 539
- Threshold detection in an on-off binary communications channel with atmospheric scintillation (T), AO 14: 1413
- Turbulence of the upper atmosphere and isoplanatism (E), AO 18: 2654
- Use of rainfall-induced optical scintillations to measure path-averaged rain parameters (T), JOSA 65: 927



- Variance and covariance of irradiance of finite beam in extremely strong turbulence (T), 167 (A), JOSA 68: 540
- Variance of irradiance for saturated scintillations (T), JOSA 66: 1389
- Vertical laser-beam propagation through the troposphere (A), JOSA 64: 540
- Waves in random media: weak scattering reconsidered (T), JOSA 68: 475

## Screens

- Analysis and experimental study of ruled halftone screens (TE), AO 13: 1299
- Analysis and experimental study of ruled half-tone screens: addendum (TE) (L), AO 13: 2189
- Diffraction effects with lenticular projection screens (T), JOSA 65: 139
- Focus screen optimization (TE), AO 14: 2762
- Method of making a diffusing layer (P), AO 13: 10A26
- Night vision device (P), AO 14: 2038
- Random surface texture (P), AO 13: 2961
- Screen patterns used in reproduction of continuous-tone graphics (R), AO 13: 1703
- Smoothly granulated optical surface (P), AO 13: 2438

## Seeing

- See also Atmospheric optics, Scintillation, Turbulence
- Correlation between angle-of-arrival fluctuations on the entrance pupil of a solar telescope (ET), JOSA 67: 1065
- Correlation between angle-of-arrival fluctuations in the entrance pupil of a solar telescope (errata), JOSA 68: 277
- Illustrated History of the Martians (A), JOSA 68: 1393
- Mean vertical profile of atmospheric turbulence relevant for astronomical seeing (E), JOSA 66: 1380
- Measurement of the atmospheric correlation scale (E), JOSA 67: 1680
- Passive imaging through the turbulent atmosphere: fundamental limits on the spatial frequency resolution of a rotational shearing interferometer (T), JOSA 68: 67
- Seeing effects removal in a Michelson stellar interferometer (T), JOSA 66: 1347

## Selenium

- Far infrared optical properties of selenium and cadmium telluride (E), AO 13: 1164
- Highly sensitive light-induced memory effect with amorphous Se-SnO<sub>2</sub> heterojunction (E), AO 13: 799
- Laser-produced x-ray spectra of the fluorine isoelectronic sequence for Zn, Ge, and Se (E), JOSA 67: 741
- Optical constants and reflectance of Al-type metallic selenium (E) (L), JOSA 66: 1416
- Seventh spectrum of selenium: Se VII and the  $3p^5 3d^{10}$  configuration in Se VIII (E), JOSA 67: 472

## Semiconductors

- Acoustoelectric domain induced transparency in tellurium at 11  $\mu\text{m}$  (E), AO 16: 2961
- Ambipolar diffusion measurements in semiconductors using transient gratings (A), JOSA 68: 679
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- Deep trap, laser activated image converting system (P), AO 15: 10
- Diode laser (P), AO 13: 2735
- Dispersion compensation using drift delay lines (P), AO 14: 1241
- Distributed-feedback coupling in Ga<sub>1-x</sub>Al<sub>x</sub>As double-heterostructure lasers: effect of aluminum concentration (T), AO 14: 2199
- Electronics division symposia, 145th Electrochemical Society Meeting, San Francisco, 12-17 May 1974 (M), Reported by McAllister, W. A., AO 13: 2451
- Excitation-level dependence of the photoluminescence spectrum of germanium (A), JOSA 66: 1082

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- Far-infrared studies in epitaxial films of III-V and IV-VI semiconductors (E), JOSA 67: 939
- Fast transient spectroscopy of the free carrier plasma edge in semiconductors (A), JOSA 66: 1073
- Frequency and temperature dependence of residual lattice absorption in semiconducting crystals (A), JOSA 67: 253
- High output solar cells (P), AO 18: 3966
- High-precision study of excited-state transitions of shallow donors in semiconductors (E), JOSA 67: 947
- Image pickup device (P), AO 13: 2735
- Introduction to the Quantum Theory of Semiconductors. By Marvin Morris Cohen (B), Reviewed by Losee, David L., JOSA 64: 1569
- Investigation of ultrafast processes in semiconductors using subpicosecond optical techniques (A), JOSA 68: 681
- Laser annealing of semiconductors (A), JOSA 69: 1461
- Nonlinear absorption in direct-gap semiconductors (T), AO 14: 3038
- Optical Properties of Semiconductors, Volume 75. Edited by N. G. Basov; translated from the Russian by Albin Tybulewicz (B), Reviewed by Kelley, Paul L., JOSA 67: 852
- Photosensitive oscillator (P), AO 14: A26
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- Physics and Technology of Semiconductor Light Emitters and Detectors. Edited by A. Frova (B), Reviewed by Losee, David L., JOSA 64: 735
- Picosecond time-resolved spectroscopy in semiconductors (A), JOSA 66: 1082
- Quantum Theory of Semiconductors. By M. M. Cohen (B), Reviewed by Balkanski, M., AO 14: 1040
- Radiant energy optical detector amplifier (P), AO 13: 2440
- Radiative Recombination in Semiconducting Crystals, Volume 68. Edited by D. V. Skobel'syn; translated from the Russian by Albin Tybulewicz (B), Reviewed by Kelley, Paul L., JOSA 67: 852
- Refractive index determination of layered compound ZnIn<sub>2</sub>S<sub>4</sub> (E), AO 13: 1595
- Refractive index of GaSe between 0.45  $\mu\text{m}$  and 330  $\mu\text{m}$  (E), AO 16: 1236
- Residual lattice absorption in semiconducting crystals: frequency and temperature dependence (ET), AO 16: 2909
- Role of carrier diffusion in the ultrafast transient response of the solid state germanium plasma (A), JOSA 66: 1083
- Semiconductor-based infrared integrated optics (A), JOSA 67: 255
- Semiconductor cyclotron resonance: transport and surface phenomena (E), JOSA 67: 922
- Semiconductor Physics. By K. Seeger (B), Reviewed by Bendow, Bernard, AO 13: 8A18
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- Single heterostructure junction lasers (P), AO 13: 2735
- Submillimeter cyclotron resonance of electrons in accumulation layers on indium antimonide surfaces (E), JOSA 67: 928
- Submillimeter spectroscopy of TO-phonon mode softening in PbTe (E), JOSA 67: 943
- Symmetry and Strain-Induced Effects in Semiconductors. By G. L. Bir and G. E. Pikus (B), Reviewed by Maradudin, Alexei, AO 16: 790
- Symmetry and Strain-Induced Effects in Semiconductors. By G. L. Bir and G. E. Pikus (B), Reviewed by Castner, T. G., JOSA 66: 186
- Thallium selenide infrared detector (E), AO 16: 2942

## Sensitometry

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## Shocks

- Optical effects of shock front on nose-mounted optics (T), AO 13: 602
- Shock wave generation in air and in water by CO<sub>2</sub> TEA laser radiation (E), AO 13: 605

## Shutters

- Electrically operated optical shutter (P), AO 13: 2437
- Exposure control system (P), AO 15: 2947
- PLZT electrooptic shutters: applications (E), AO 14: 1866

## Signal processing

- See also Data processing, Information processing, Optical processing
- Acoustooptic snapshot PROM: a real-time optical-signal spectrum analyzer (E), AO 17: 2762
- Acoustooptic tunable filter performance in a staring IR sensor (T), AO 18: 3901
- Alignment of microcircuit chips using optically smeared images (E), AO 18: 331
- Alternative approach in decision theory as applied to the resolution of two point images (T) (L), JOSA 69: 910
- Ambiguity function display: an improved coherent processor (TE), AO 16: 746
- Ambiguity function display: an improved coherent processor; addendum (TE) (L), AO 16: 1777
- Ambiguity function display using a single 1-D input (TE) (L), AO 18: 2539
- Bistable optical spatial device using direct optical feedback (TE), OL 3: 199
- Coherent optical implementation of 1-D Mellin transforms (TE) (L), AO 16: 2609
- Coherent optical noise suppression device (ET), AO 13: 2244
- Cylindrical lens systems described by operator algebra (TE), AO 18: 4195
- Electronic heterodyning in an optical detector (P), AO 18: 3966
- Electrooptical array processor for complex signals (E), AO 17: 2952
- Errors in sample autocovariance functions and their corresponding power spectra (TE), JOSA 68: 568
- Estimation in signal-dependent noise (A), JOSA 68: 1385
- Fourier transform plane superposition multiplier: theory, experimental results, and discussion (TE), AO 17: 3060
- Frequency variant optical signal analysis (TE), AO 15: 3073
- Guide to side-by-side comparison of real-time analyzers (N), AO 18: 342
- Integrated optical matrix multiplier (TE) (L), AO 15: 2029
- Iterative color-multiplexed, electro-optical processor (TE), OL 4: 348
- Least-mean-square spatial filter for IR sensors (T), AO 18: 4210
- Linear space-variant optical processing of 1-D signals (TE), AO 16: 733
- Matched filter processing of raster-scanned images: analysis (T), AO 15: 2391
- Multichannel optical correlator for radar signal processing (TE), AO 17: 2058
- Nonlinear processing of the interferogram in Fourier spectroscopy (T), JOSA 68: 915
- Operations on ultrashort pulses using "flat" lenses (T), JOSA 68: 28
- Optical computation using residue arithmetic (T), AO 18: 149
- Optimal estimation in signal-dependent noise (A), JOSA 67: 1368
- Optimum imaging method for optical data processors (T), AO 16: 137
- Optimum photon detection with a simple counting processor (T), OL 1: 208
- Passive and/or active imaging system (P), AO 16: 13
- Performing complex-valued linear operations on complex-valued data using incoherent light (T) (L), AO 16: 2611
- Periodic nonsinusoidal vibration: effects in matched filtering for detection of signals buried in noise of uniform spectral density (T), AO 14: 2940
- Photon counting processor for laser velocimetry (TE), AO 16: 1157
- Picture Processing and Digital Filtering (Topics in Applied Physics). Edited by T. S. Huang (B), Reviewed by MacAdam, David Pearce, JOSA 66: 393



- Processing multispectral signals from a discrete-sensor array (N), AO 18: 2633
- Resolution, signal-to-noise ratio, and measurement precision (T), JOSA 69: 399
- Sampling theorems in polar coordinates (T), JOSA 69: 1519
- Scan line filters for optical spectral analysis (T), AO 14: 353
- Servo system for reading from a disc-shaped record carrier containing signals coded in optical form (P), AO 18: 3718
- Signal-detection tradeoff-analysis of optical vs digital Fourier transform computers (T), AO 18: 36
- Signal processing for a signal with Poisson noise (T) (L), AO 13: 1282
- Signal processing for a signal with Poisson noise: comments (T) (L), AO 13: 2462
- Signal processing for a signal with Poisson noise: reply to comments (T) (L), AO 13: 2463
- Signal-to-noise ratio in Fourier spectroscopy (T), AO 16: 3103
- Signal-to-noise ratios of multiplexing spectrometers in high backgrounds (T) (L), AO 17: 684
- Single-threshold detection of a random signal in noise with multiple independent observations. I: Discrete case with application to optical communications (T), AO 17: 3576
- Space-variant processing of 1-D signals (TE), AO 16: 739
- Spatial signal feedback amplifier (A), JOSA 66: 1131
- Spectral processing of lidar photocount data (A), JOSA 68: 1386
- Surface wave delay line acoustooptic devices for signal processing (ET), AO 18: 2767
- Time- and space-integrating spectrum analyzer (T) (L), AO 18: 3203
- Time integrating acoustooptic correlator (E), AO 15: 89
- Transform relationships for optical heterodyne signal processing (A), JOSA 67: 1423
- Wide-band frequency-modulation system using optical techniques (ET), AO 18: 1249
- Wide-band spectrum analysis with area modulation (TE), AO 18: 460
- Wideband spectrum analysis with area modulation: comment (T) (L), AO 18: 2540
- Wideband spectrum analysis with area modulation: authors' reply to comment (TE) (L), AO 18: 2541

## Silicon

- Absorption spectrum of Si I between 1500 and 1900 Å (ET), JOSA 64: 1665
- Amorphous silicon as a selective absorber of solar energy: a spectral emissivity study (E), AO 17: 2427
- Design and operation of an automated, high-temperature ellipsometer, JOSA 64: 1004
- Design of film-substrate single-reflection retarders (TE), JOSA 65: 1043
- Design of film-substrate single-reflection linear partial polarizers (T), JOSA 65: 1472
- Effect of surface roughness on change of the polarization state of light reflected from silicon and germanium (ET), AO 15: 115
- Effect of UV irradiation on the reflectance of silicon-oxide-protected aluminum in the far UV (E) (L), AO 17: 3031
- Electronic materials, conference, Boston, 9-11 Sep 1974 (N), AO 13: 690
- Evolution of optical thin films by sputtering (E), AO 13: 946
- Experimental light activated silicon switch (N), AO 16: 2896
- Extended identifications of odd energy levels of Si I: Lu-Fano graphical analysis (TE), JOSA 65: 305
- Indium tin oxide-coated silicon as a selective absorber (ET) (L), AO 14: 2328
- Infrared absorption in germanium and silicon (A), JOSA 67: 253
- Integrated optical silicon photodiode array (TE), AO 15: 1389
- Lifetimes of some L-x-ray emitting levels in silicon, sulfur, and chlorine (E), JOSA 68: 830
- Light sensor for ultrahigh vacuum systems utilizing a silicon photovoltaic cell (E) (L), AO 15: 2625
- Low-noise extended-frequency response with cooled silicon photodiodes (ET), AO 14: 2720

- Multidecade linearity measurements on Si photodiodes (E), AO 18: 1555
- Optical constants of the accumulation layer in silicon MOS structures (A), JOSA 67: 255
- Optical constants of the constituents of manganese-bismuth films (E), JOSA 64: 1456
- Optimizing precision of rotating-analyzer ellipsometers (T), JOSA 64: 639
- Performance of a silicon vidicon at low signal levels (E), AO 15: 3105
- Polarizer-surface-analyzer null ellipsometry for film-substrate systems (TE), JOSA 65: 1464
- Polycrystalline silicon film thickness measurement from analysis of visible reflectance spectra (TE), JOSA 69: 1143
- Quantum efficiency of the p-n junction in silicon as an absolute radiometric standard (T) (L), AO 18: 760
- Radiative-lifetime measurements for Si III  $3s4s^3S$ , S V  $3s4^3P^0$ , and Si IV and S VI  $4^2F^0$  (E), JOSA 66: 1393
- Reflectance of thinly oxidized silicon at normal incidence (T), AO 18: 1927
- Refractive indexes and temperature coefficients of germanium and silicon (E), AO 15: 2348
- Saturation of silicon photodiodes at high modulation frequency (E), AO 17: 1103
- Self-scanned photodiode array: high performance operation in high dispersion astronomical spectrophotometry (E), AO 17: 574
- Semiconductor photoelectric device (P), AO 15: 2948
- Semiconductor Silicon: 1973. Edited by H. R. Huff and R. R. Burgess (B). Reviewed by Silverman, Shirleigh, AO 14: 2353
- Silicon films as selective absorbers for solar energy conversion (A), JOSA 67: 251
- Silicon films as selective absorbers for solar energy conversion (E), AO 16: 2806
- Silicon materials science and technology symposium, 2nd International, Chicago, 13-18 May 1973 (M), AO 13: 993
- Silicon nitride films on silicon for optical waveguides (ET), AO 16: 3218
- Silicon photodetector instabilities in the UV (E) (L), AO 15: 1377
- Silicon photodiode as a detector in the rocket-borne photometry of the near infrared airglow (E), AO 15: 2902
- Silicon vidicon spectrometry and its infrared capabilities for solar research (E), AO 15: 2884
- Single-element rotating-polarizer ellipsometer for film-substrate systems (L), JOSA 67: 1286
- SiO<sub>2</sub>-Si film—substrate reflection polarizers for different mercury spectral lines (T) (L), AO 16: 1488
- Spatial uniformity of quantum efficiency of a silicon photovoltaic detector (E), AO 18: 1933
- Spectroscopic studies of Si V and Si VI between 500 and 1300 Å using the beam-foil method, JOSA 67: 751
- Surface damage and the optical reflectance of single-crystal silicon (E), AO 17: 3477
- Ultraviolet effect on the responsivity of silicon photodiodes (A), JOSA 66: 1080
- Ultraviolet enhanced responsivity of silicon photodiodes: an investigation (ET), AO 16: 1539
- Ultraviolet radiation detector (P), AO 18: 261
- Ultraviolet sensitization of silicon detectors for space astronomical applications (E) (L), AO 18: 2085
- Vacuum UV performance of silicon detectors (E) (L), AO 16: 14

## Silver

- Absorption spectrum of Ag I between 1540 and 1850 Å (E), JOSA 67: 1323
- Effect of retarded dipole-dipole interactions between island particles on the optical plasma-resonance absorption of a silver-island film (TE), JOSA 64: 1563
- Enhanced total reflection with surface plasmons (T), JOSA 69: 419
- High-temperature emissivities of copper, aluminum, and silver (E), JOSA 67: 32
- Light scattering from aggregated silver and gold films (E), JOSA 64: 1190
- Metal-clad planar dielectric waveguide for integrated optics (T), JOSA 64: 274
- Optical constants from the far infrared to the x-ray region: Mg, Al, Cu, Ag, Au, Bi, C, and Al<sub>2</sub>O<sub>3</sub> (E) (L), JOSA 65: 742

- Optical properties of aggregated noble metal films (ET), JOSA 67: 502
- Reflectance and durability of Ag mirrors coated with thin layers of Al<sub>2</sub>O<sub>3</sub> plus reactively deposited silicon oxide (TE), AO 14: 2639
- Resonance lines in the Ag I and Pd I isoelectronic sequences from Cs to Sm (A), JOSA 67: 1383
- Resonance lines in the Ag I and Pd I isoelectronic sequences: Cs IX through Sm XVI and Ca X through Nd XV (E), JOSA 67: 1518
- Total hemispherical emissivities of copper, aluminum, and silver (A), JOSA 67: 251
- Total hemispherical emissivities of copper, aluminum, and silver (E), AO 16: 2810
- Transmittance of aggregated silver films with an opaque overcoating (E) (L), JOSA 64: 100

## Sky

- Aerosol property discrimination through sky polarization measurements (A), JOSA 67: 605
- Balloon-borne infrared telescope for absolute surface photometry of the night sky (E), AO 16: 3125
- Circumsolar radiation as a measure of the turbidity of the atmosphere. Part 2 (TE), AO 13: 1477
- Circumsolar sky radiation and turbidity of the atmosphere (TE), AO 13: 474
- Comparison between photographic and photoelectric measurements of the solar aureole almucantar radiance (E) (L), AO 17: 1977
- Fisheye field spectrograph (ET), AO 17: 3076
- Ground illumination from a turbid cloudless sky (ET), AO 14: 67
- Monte Carlo studies of the sky radiation at twilight (T), AO 13: 534
- Night sky spectral-emission measurements ( $\lambda$ 0.9–2.3  $\mu$ m) using a field-widened interferometer-spectrometer (E), AO 18: 5386
- Radiance distribution over a ruffled sea: contributions from glitter, sky, and ocean (T), AO 15: 3161
- Scattered radiation from a gradient particulate atmosphere in the presence of a totally absorbing earth (TE), AO 18: 978
- Sky background measurements in the 4800–5800-Å region at the latitude of the polar cleft (E), AO 17: 2594
- Sky brightness and polarization during the 1973 African eclipse (E), AO 14: 388
- Sky brightness during eclipses: a review (R), AO 14: 2838
- Sky brightness during the 26 February 1979 eclipse (TE) (L), AO 18: 2362
- Sky color near the horizon during a total solar eclipse (T), AO 14: 2831
- Sky radiance during a total solar eclipse: a theoretical model (T), AO 17: 272

## Skylab

- See also Space optics
- Apollo telescope mount of Skylab: an overview (R), AO 16: 825
- AS&E x-ray telescope on Skylab (A), JOSA 64: 524
- Coronagraphic technique to infer the nature of the Skylab particulate environment (E), AO 16: 1591
- Experience with Schumann-type XUV film on Skylab (E), AO 16: 887
- Experiments and observations with man in space (A), JOSA 64: 523
- Exploring the earth's atmosphere by photography from Skylab (ET), AO 16: 983
- Extreme ultraviolet spectrograph ATM experiment S082B (E), AO 16: 879
- Extreme ultraviolet spectroheliograph ATM experiment S082A (E), AO 16: 870
- Extreme ultraviolet spectroscopy with the Harvard Skylab experiment (A), JOSA 64: 1375
- Extreme UV spectroheliometer on the Apollo telescope mount (E), AO 16: 837
- High altitude observatory white-light coronagraph experiment of Skylab (A), JOSA 64: 523
- High resolution solar observations: the hydrogen-alpha telescopes on Skylab (E), AO 16: 917
- Image data-processing system for solar astronomy (R), AO 16: 944
- Initial results of Skylab experiment T027: optical contamination in space (A), JOSA 64: 700



- Measurement of stray radiance in the high altitude observatory's Skylab coronagraph (E), AO 16: 931
- NRL-ATM extreme ultraviolet solar image TV monitor flown on Skylab (ET), AO 16: 893
- Numerical image manipulation and display in solar astronomy (TE), AO 16: 938
- Observing and recording instantaneous images on ATM television monitors (E), AO 16: 922
- Optical contamination: its prevention in the XUV spectrographs flown by the U.S. Naval Research Laboratory in the Apollo Telescope Mount (R), AO 16: 909
- Photographic coronagraph, Skylab particulate experiment T025 (E), AO 16: 993
- Photographic film and the Skylab environment (E), AO 16: 1002
- Photography from Skylab (A), JOSA 64: 1372
- Photometric calibration of the EUV spectroheliometer on ATM (E), AO 16: 849
- Radiance calibration of the high altitude observatory white-light coronagraph on Skylab (E), AO 16: 926
- Results from the NRL XUV experiments on Skylab (A), JOSA 64: 523
- Skylab observations of the sun (170–630 Å) with the NRL objective grating spectroheliograph (A), JOSA 64: 1375
- Skylab optics: an introduction, AO 16: 823
- Skylab simulator visual displays and training for joint observing programs (T), AO 16: 950
- Skylab S191 visible-infrared spectrometer (E), AO 16: 967
- Skylab ultraviolet stellar astronomy experiment S019 (E), AO 16: 973
- Solar XUV grazing incidence spectrograph on Skylab (E), AO 16: 898
- Spectrophotometry of the solar UV line spectrum with the NRL spectrograph on board Skylab (A), JOSA 64: 1375
- S056 x-ray telescope experiment on the Skylab Apollo telescope mount (E), AO 16: 858
- Ten-color Gegenschein—zodiacal light photometer (E), AO 16: 978
- Thin aluminum filters for use on the Apollo Telescope Mount XUV spectrographs (E), AO 16: 904
- TV in space science activities: some considerations (E), AO 16: 999
- Ultraviolet three-channel photographic photometer: the S183 experiment (E), AO 16: 961
- Vignetting characteristics of an orbiting coronagraph (A), JOSA 64: 1358
- Snow**
- Spectrophotometers for the measurement of light in polar ice and snow (E), AO 13: 1652
- Sodium**
- Absolute measurement of very low sodium-vapor densities using laser resonance fluorescence (E), JOSA 65: 199
- Carbon monoxide-induced broadening of forbidden 3S-Rydberg *S* (and *D*) transitions in Na (A), JOSA 69: 1407
- Detection of  $^{20}\text{Na}$  atoms and measurement of sodium-vapor densities by means of atomic-resonance fluorescence (E), JOSA 65: 952
- Even-parity autoionizing states in neutral sodium (350–400 Å) (ET), OL 4: 109
- Identification of excited state in  $\text{Na}_2$  by two-step polarization labeling (A), JOSA 68: 1412
- Inert-gas broadening of highly excited Na atomic states (A), JOSA 67: 1418
- Magnetic-field quantum beats in two-photon free-induction decay (E), OL 3: 172
- Measurement of very-low sodium-vapor densities by means of optical resonance fluorescence (E), JOSA 64: 482
- Numerical procedures for determining lines and levels in the Na I isoelectronic sequence (A), JOSA 65: 1188
- Power broadening of the absorption spectrum in optically oriented sodium (A), JOSA 66: 1068
- $2p^33s$ ,  $3p$ ,  $3d$ ,  $4s$ , and  $4d$  configurations of triply ionized sodium, Na IV (E), JOSA 66: 659
- Sodium in laboratory atmosphere (E) (L), AO 15: 1380
- Transverse intensity modulation of a dye laser beam by optically pumped hyperfine levels of sodium vapor (A), JOSA 66: 1068
- Solar energy**
- All-dielectric compound parabolic concentrator (T) (L), AO 16: 2601
- All-dielectric compound parabolic concentrator (L) (errata), AO 17: 1482
- Amorphous silicon as a selective absorber of solar energy: a spectral emissivity study (E), AO 17: 2427
- Anodization improves GaAs solar-cell performance (P), AO 17: A154
- Applications of thin graded-index films to solar absorbers (TE), AO 16: 1438
- Applied Solar Energy. By Aden B. Meinel and Marjorie P. Meinel (B), Reviewed by Howard, John N., AO 15: A148
- Approaches to the economic collection and utilization of solar energy (A), JOSA 64: 1355
- Build your own solar heat collector (N), AO 16: 76
- Collection properties of generalized light concentrators (T), JOSA 67: 1594
- Collector of direct dispersed and reflected waves (P), AO 18: 3501
- Concentration of the sun's rays using catenary curves (T), AO 17: 969
- Concentrator (P), AO 16: 2026
- Cone collectors for finite sources (T) (L), AO 17: 688
- Direct-heating solar-collector dump valve (P), AO 17: A158
- Economic and technical aspects of coatings for solar energy (A), JOSA 66: 164
- Effect of fluorescent wavelength shifting on solar cell spectral response (A), JOSA 69: 1400
- Effect of substrate on graphite and other solar selective surfaces (TE), AO 17: 1884
- Efficiency of Drude mirror-type selective transparent filters for solar thermal conversion (E), AO 17: 145
- Establishment of a Solar Energy Research Institute (B), Reviewed by Howard, John N., AO 15: A148
- Flat plate solar collector enhancement utilizing plane reflecting surfaces (A), JOSA 69: 1400
- Flat-sided rectilinear trough as a solar concentrator: an analytical study (T), AO 17: 1870
- Geometrical vector flux and some new nonimaging concentrators (T), JOSA 69: 532
- Ground-level solar intensity as a function of meteorological conditions (A), JOSA 64: 1355
- Heat exchanger for solar water heaters (P), AO 17: A155
- Highly concentrating Fresnel lenses (T), AO 18: 2688
- High output solar cells (P), AO 18: 3966
- High-performance flat-plate solar collector (P), AO 16: 2593
- High-performance tubular solar collector (N), AO 14: 1663
- Horizontally mounted collector (P), AO 18: 3804
- Ideal flux concentrators as shapes that do not disturb the geometrical vector flux field: a new derivation of the compound parabolic concentrator (T), JOSA 69: 536
- Ideal flux concentrators with reflector gaps (T) (L), AO 17: 1668
- Indium tin oxide-coated silicon as a selective absorber (ET) (L), AO 14: 2328
- Inexpensive high-temperature solar cell (P), AO 17: 9
- Infrared, hemispherical reflectometer for characterizing selective surfaces for solar thermal energy conversion (A), JOSA 67: 252
- Infrared spectral emittance profiles of spectrally selective solar absorbing layers at elevated temperatures (A), JOSA 67: 251
- Infrared spectral emittance profiles of spectrally selective solar absorbing layers at elevated temperatures (TE), AO 16: 2818
- Ion-beam sputtering increases solar-cell efficiency (P), AO 17: 998
- Large-scale Fresnel lens solar concentrator (P), AO 17: A155
- Lens-mirror combinations with maximal concentration (A), JOSA 66: 1068
- Lens-mirror combinations with maximal concentration (TE), AO 16: 2677
- Lighting with concentrated beams of sunlight (A), JOSA 66: 1069
- Lighting with sunlight using sun tracking concentrators (E), AO 16: 1444
- Limit of the moth's eye principle and other impedance-matching corrugations for solar-absorber design (T), JOSA 65: 267
- Limit of the moth's eye principle and other impedance-matching corrugations for solar-absorber design (errata), JOSA 65: 748
- Low-reflection silicon solar cells (P), AO 17: 998
- Luminescent greenhouse collector for solar radiation (T) (L), AO 15: 2299
- Luminescent solar concentrators. 1: Theory of operation and techniques for performance evaluation (TE), AO 18: 3090
- Materials for luminescent greenhouse solar collectors (ET), AO 16: 2684
- Maximum figures of merit of spectrally selective solar absorbers (A), JOSA 69: 1400
- Measuring solar-cell quality (P), AO 17: 997
- Mirror mounting (P), AO 18: 3358
- Modular test system for solar collectors (P), AO 17: 9
- More efficient GaAs solar cells (N), AO 18: 2678
- NASA, the American Indian, and solar energy (N), AO 16: A36
- New photovoltaic cell system has high conversion efficiency (N), AO 18: 67
- Nonimage forming solar concentrator for space solar arrays (A), JOSA 68: 1374
- Novel nontracking solar collectors (A), JOSA 66: 1059
- NSF report on solar heating and cooling (N), AO 16: 2179
- Optical coatings for solar heating and cooling (A), JOSA 67: 252
- Optical constants of reactively evaporated chromium oxide films (A), JOSA 66: 1069
- Optical performance of absorber-reflector combinations for photothermal solar energy conversion (T), JOSA 68: 292
- Optical properties of solids relevant to photothermal solar energy (A), JOSA 67: 251
- Optical simulation for a fixed spherical solar collector (E), AO 18: 3081
- Optics of Nonimaging Concentrators. By W. T. Welford and R. Winston (B), Reviewed by Hunter, W. R., AO 18: 1127
- Passive sealed flat plate solar heat collector with an attached reflecting panel for the collection, storage, and radiation of solar heat (P), AO 18: 3512
- Photon scalar irradiance meter (E) (L), AO 18: 1698
- Photon trapping and energy transfer in multiple-dye plastic matrices: an efficient solar-energy concentrator (E), OL 1: 73
- Photovoltaic concentrator array (N), AO 16: 1091
- Photovoltaic effect of amorphous  $\text{In}_{1-x}\text{Se}_x\text{-SnO}_2$  heterostructure (A), JOSA 66: 1069
- Power collection reduction by mirror surface nonflatness and tracking error for a central receiver solar power system (T), AO 14: 1493
- Primary reflector for solar energy collection systems and method of making same (P), AO 18: 3521
- Principles of solar collector design (A), JOSA 66: 1059
- Problem of ideal flux concentrators (T), JOSA 68: 531
- Problem of ideal flux concentrators: addendum (T) (L), JOSA 69: 367
- Project Independence. Federal Energy Authority Task Force on Solar Energy (B), Reviewed by Howard, John N., AO 15: A148
- Radiant energy converter having storage (P), AO 18: 3521
- Radiation concentration system (P), AO 18: 3521
- Ray tracing through funnel concentrator optics (T), AO 17: 1466
- Response of a large-scale solar collector to cloud transits (A), JOSA 66: 1069
- Rights to sunshine (L), AO 15: 1890
- Satellite solar power option (A), JOSA 66: 1071
- Selective absorption of tungsten layer fabricated by CVD methods (A), JOSA 67: 251
- Selective electroplated chromium blacks (E), AO 17: 2637
- Selective surfaces for solar energy conversion (A), JOSA 66: 1071
- Silicon films as selective absorbers for solar energy conversion (A), JOSA 67: 251
- Silicon films as selective absorbers for solar energy conversion (E), AO 16: 2806
- Simple device measures solar radiation (P), AO 17: A156
- Simpler process produces more efficient solar cells (P), AO 17: A154
- Solar-cell measurements in the field (P), AO 17: 998
- Solar cells (P), AO 18: 3521
- Solar cell spectral response characterization (E), AO 18: 3942
- Solar collector (P), AO 18: 3521
- Solar collector panel and method of making (P), AO 18: 3501



- Solar concentrating properties of a rectilinear flat-sided trough (A), JOSA 66: 1069
- Solar concentrating properties of some simple truncated cones (A), JOSA 66: 1070
- Solar concentrating properties of truncated hexagonal, pyramidal and circular cones (T), AO 17: 2431
- Solar concentrator evaluation technique (A), JOSA 68: 1374
- Solar concentrator flux distributions using backward ray tracing (T), AO 18: 2696
- Solar concentrators for electrical generation (A), JOSA 66: 1059
- Solar energy (A), JOSA 66: 1071
- Solar energy: an alternative energy source (A), JOSA 64: 1355
- Solar energy collection using beam waveguides (T) (L), AO 15: 855
- Solar energy collector and concentrator (P), AO 18: 3521
- Solar energy collector system with cylindro-parabolic mirror (P), AO 18: 3512
- Solar Energy Data Workshop. Edited by C. Turner (B). Reviewed by Howard, John N., AO 15: A143
- Solar energy: older than the earth itself (L), AO 14: A158
- Solar energy plan to be accelerated (N), AO 14: 1718
- Solar energy power generating array (P), AO 17: 2261
- Solar energy: the physics of the greenhouse effect (T), AO 14: 1503
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- Solar heated buildings (N), JOSA 65: 619
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- Solar heating and cooling of buildings (A), JOSA 64: 1360
- Solar Heating Design by the f-Chart Method. By William A. Beckman, Sanford A. Klein, and John A. Duffie (B). Reviewed by Larmore, Lewis, AO 18: 146
- Solar irradiance measurements by means of optical fibers and silicon detectors (E), AO 18: 2902
- Solar meter with silicon photocell (P), AO 17: 995
- Solar optics and solar collectors (A), JOSA 66: 1059
- Solar pond (P), AO 17: 996
- Solar power conditioner (N), AO 18: 3989
- Solar-powered hot-water system (N), AO 18: 2633
- Solar-powered pump (N), AO 18: A254
- Solar-power mountain concept (P), AO 17: 11
- Solar radiation energy concentrator (P), AO 18: 3505
- Solar-selective globular metal films (ET), JOSA 68: 1032
- Solar thermal power conversion systems (A), JOSA 64: 1356
- Stationary concentrating reflector cum tracking absorber solar energy collector: optical design characteristics, AO 14: 1509
- Structural composition and optical properties of good solar blacks: gold black (A), JOSA 67: 252
- Structural composition and optical properties of solar blacks: gold black (TE), AO 16: 2822
- Sunlight into Electricity: Prospects for Solar Energy Conversion by Photovoltaics. By Joseph A. Merrigan (B). Reviewed by Thomson, Robb, AO 14: 2306
- Sunlight to Energy: Prospects for Solar Energy Conversion by Photovoltaics. By Joseph A. Merrigan (B). Reviewed by Meinel, Aden B.; Meinel, Marjorie P., JOSA 65: 1527
- Theoretical and practical boundaries of solar electricity (A), JOSA 64: 1361
- Thermal radiation from metal surfaces (T), JOSA 68: 1505
- Thin metal films as applied to Schottky solar cells: optical studies (ET), AO 15: 1621
- Total hemispherical emissivity of copper (TE), JOSA 68: 1516
- Tower-supported solar-energy collector (P), AO 16: 2593
- Trade-offs in optical characteristics of materials for solar-heat collectors (A), JOSA 64: 1355
- Transparent heat mirrors for solar-energy applications (ET), AO 15: 1012
- Transparent solar-cell modules (N), AO 18: A254
- Tubeless flat-plate solar collector (P), AO 17: A156
- Two-axis movable concentrating solar-energy collector (P), AO 17: A158
- Two-dimensional concentrators for inhomogeneous media (T), JOSA 68: 289
- Two-dimensional nonimaging concentrators with refracting optics (T) (L), JOSA 69: 917
- Ultra-black coating for optical and solar devices (A), JOSA 69: 1400
- Variable-shape solar-energy concentrator (N), AO 18: 4029
- Visual evaluation of defects in GaAs-based solar cells (E) (L), AO 17: 2857
- Window-mounted auxiliary solar heater (P), AO 17: 996

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- Optical Properties of Ions in Solids. Edited by B. Di Bartolo (B). Reviewed by Wallis, R. F., AO 15: 1368
- Optical Properties of Ions in Solids. By Baldassare Di Bartolo, Editor (B). Reviewed by Dexter, David L., JOSA 67: 411
- Optical Properties of Solids: New Developments. Edited by B. O. Seraphin (B). Reviewed by Hunter, W. R., AO 15: 2602
- Optical Properties of Solids—New Developments. Edited by B. O. Seraphin (B). Reviewed by Dexter, David L., JOSA 67: 416
- Phonons and Resonance in Solids. By B. Di Bartolo and R. C. Powell (B). Reviewed by Maradudin, Alexei, AO 15: 2941
- Photoacoustical measurement of absolute quantum efficiencies in solids (A), JOSA 68: 1195

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## Sources

- Acoustical resonances in modulated compact arc lamps (TE) (L), AO 16: 819
- Adaptive Optics and Short Wavelength Sources. Edited by Stephen F. Jacobs, Murray Sargent III, and Marlan O. Scully (B). Reviewed by Schmutz, L. E., AO 18: 1473
- Analysis of rotationally symmetric reflectors for illuminating systems (T), JOSA 64: 55
- Approach for the design of blackbody simulators (L), AO 14: 249
- Argon miniarc as a secondary standard of VUV spectral radiance (A), JOSA 66: 1097
- Assessment of the ultraviolet range of artificial light sources for the best fit to standard illuminant D65 (T) (L), AO 16: 806
- Atomic and molecular emission from microwave discharge through beryllium chloride (E), JOSA 65: 318
- Band-limited angular-spectrum approximation to a spherical scalar wave field (T), JOSA 65: 1054
- Bright inexpensive pinhole source (E) (L), AO 17: 2469
- Calibrating the light pulse shape of a hydrogen flashlamp using synchrotron radiation as a standard of excitation (E), AO 18: 1355
- Cavity radiators: an ecumenical theory (T), AO 15: 84
- Characteristics of the optical parametric oscillator and its use for selective excitation (E), AO 13: 1060
- Circularly polarized light source (P), AO 18: 1525
- Coherence and radiant intensity in scalar wave fields generated by fluctuating primary planar sources (T), JOSA 68: 953
- Coherence and radiometry with quasihomogeneous planar sources (T), JOSA 67: 785
- Coherence properties of Lambertian and non-Lambertian sources (T), JOSA 65: 1067
- Colorimetric significance of mercury-emission lines in fluorescent lamps (T), JOSA 65: 1354
- Compact far ultraviolet emission source with rich spectral emission 1150-3100 Å (E), AO 16: 591
- Comparison of synchrotron and laboratory discharge light sources (E), JOSA 68: 1181
- Computer-controlled infrared parametric oscillator source (A), JOSA 66: 385



- Concept of super-Planckian sources (A), JOSA 64: 545
- Continuous discharge Penning source with emission lines between 50 Å and 300 Å (E), AO 18: 649
- Continuously tunable submillimeter-wave source (A), JOSA 64: 532
- Continuous wave UV source tunable from 257 to 400 nm utilizing nonlinear doubling and mixing (A), JOSA 67: 1384
- Continuum source and a focusing technique for the 80–500- spectral range: improvements (E), AO 14: 996
- Convolution of a time-dependent driven excitation into the decay curve of an arbitrarily cascaded and blended level (T), JOSA 64: 495
- Correlated color temperature? (E) (L), JOSA 67: 828
- Dead-time-corrected photocounting distributions for laser radiation (T), JOSA 65: 786
- Determination of areas and temperatures from composite blackbody spectra (T), JOSA 65: 559
- Determination of the line shapes of atomic nitrogen resonance lines by magnetic scans (ET), AO 15: 2649
- Deuterium lamp as a UV continuum source from 160 nm to 320 nm for space applications (E), AO 18: 3938
- Development of a Cerenkov light source (A), JOSA 68: 629
- Direct current cathodoretic effects on Hg 2537-Å radiation from Hg + Ar discharges (dc fluorescent lamps) (E), AO 15: 64
- Directionality of light from coherent, partially coherent, and incoherent sources (A), JOSA 68: 1410
- Discharge currents of flashlamp drive circuits (L), AO 18: 3734
- Effect of electron deexcitation and self-absorption on the intensity of the Hg 2537-Å radiation from Hg + Ar discharges (ac fluorescent lamps) (ET), AO 13: 2164
- Emissivities of diffuse cavities: isothermal and nonisothermal cones and cylinders, JOSA 64: 339
- Emissivities of diffuse cavities. II: Isothermal and nonisothermal cylindric-cones (T), JOSA 65: 565
- Equivalence theorem for radiant intensity from planar sources of different states of spatial coherence (A), JOSA 68: 1410
- Evaluation of nonisothermal semi-infinite cylinder with specularly reflecting walls as a blackbody source (T), AO 13: 593
- External-cavity-controlled 32-MHz narrow-band cw GaAlAs-diode lasers (E), OL 1: 61
- Far UV absolute intensity measurement: calibration of the BRV source by an ion chamber (E), AO 15: 1856
- Far-zone range-criteria for quasi-homogeneous partially coherent sources (T), JOSA 68: 1332
- Generation of highly directional beams from quasi-homogeneous optical sources (A), JOSA 69: 1414
- Guide number for light sources that emit ultraviolet radiation (TE) (L), AO 15: 574
- Handbook of Optics. Edited by Walter G. Driscoll and William Vaughan (B), Reviewed by Wright, W. D. AO 18: 416
- High-efficiency tunable cw fiber Raman oscillator (A), JOSA 67: 250
- High-energy LiNbO<sub>3</sub> tunable source (A), JOSA 67: 255
- High-energy short-pulse flashlamps: operating characteristics (ET), AO 16: 70
- High intensity discharge electrode material (P), AO 18: 3241
- High intensity modulated infrared radiation source (P), AO 14: A77
- High-resolution and picosecond time scale vacuum ultraviolet light source (A), JOSA 67: 1384
- High-resolution vacuum ultraviolet spectroscopy using a spontaneous anti-Stokes light source (A), JOSA 68: 1422
- How incoherent are Lambertian sources? (A), JOSA 64: 545
- Hyperfine structure in the <sup>233</sup>Es emission spectrum, III: Extension of the line list, levels of Es I and Es II, nuclear magnetic-dipole and quadrupole moments (ET), JOSA 64: 77
- Ideal concentrators for finite sources and restricted exit angles (T), AO 15: 2880
- Ideal light source for an optical communications channel (A), JOSA 66: 1075
- Ideal light source for an optical communication channel (T) (L), JOSA 66: 968
- Improved miniature long-lived UV light source (E) (L), AO 15: 2968
- Increased power from a tunable coherent source (A), JOSA 65: 1180
- Infrared calibration device with simultaneous multitemperature capabilities (A), JOSA 68: 1366
- Integration over cylindrical luminous volumes using a calibrated piston source (E), AO 15: 2825
- Intensity fluctuations of ASE: theory and measurements (A), JOSA 69: 1414
- Interferometric analyses of Ne II and Ar II spectral lines from a hollow-cathode discharge (ET), JOSA 64: 186
- Inverse problem for random sources (A), JOSA 68: 1421
- Isotope shift in the spectrum of Ne II (E) (L), JOSA 65: 220
- Laser illuminated divergent ball bearing sources (E) (L), AO 13: 457
- Laser-induced impedance changes in a neon hollow cathode discharge (A), JOSA 68: 1389
- Laser-produced plasma as a source of focused vacuum-ultraviolet continuum radiation (E), OL 4: 283
- Light emitting diode (P), AO 15: 1889
- Light scattered by a liquid crystal: a new quasi-thermal source (E), AO 13: 181
- Luminance-brightness comparisons of LED alpha-numeric sources at suprathreshold levels (E), JOSA 68: 949
- Lyman-alpha radiation source with high spectral purity (E) (L), AO 16: 2634
- Lyman-alpha radiation source with high spectral purity (errata), AO 17: 1853
- Metameric white samples for testing the relative UV content of light sources and of natural daylight (E), AO 18: 1067
- Monochromatic soft-x-ray source for contact microradiography (A), JOSA 69: 1445
- Nanosecond high radiance standard source (E), AO 13: 203
- Novel Sources of Coherent Radiation. Edited by Stephen F. Jacobs, Murray Sargent III, and Marlan O. Scully (B), Reviewed by Dunning, F. B., AO 18: A173
- Optical heterodyne signal power obtained from finite sized sources of radiation (T), AO 13: 150
- Optically pumped submillimeter-wave sources (A), JOSA 64: 532
- Optically stabilized power supply for mercury arc lamp far IR sources (L), AO 15: 308
- Optimum conditions for superradiant damping (A), JOSA 65: 1181
- Optoisolators employing a LED-CdS light source and detector series, catalog (N), AO 17: 3603
- Parametric generation processes: spectral bandwidth and acceptance angles (T), AO 15: 696
- Parametric oscillator: hf oscillator–amplifier pumped CdSe parametric oscillator tunable from 14.1 μm to 16.4 μm (E), AO 15: 1322
- Partially coherent sources, highly directional beams, and Fourier optics (A), JOSA 69: 1414
- Phase determination by conjugate wave-front generation (T) (L), JOSA 68: 1135
- Phase matching of two-photon resonant 4-wave mixing processes in alkali metal vapors (A), JOSA 67: 251
- Physics and Technology of Semiconductor Light Detectors and Emitters. Edited by A. Fropa (B), Reviewed by Cohen, Marvin M., AO 14: A44
- Physics and Technology of Semiconductor Light Emitters and Detectors. Edited by A. Fropa (B), Reviewed by Losee, David L., JOSA 64: 735
- Polarization of light sources: a photographic method (E), AO 14: 2766
- Progress in Optics, Vol. 16. Edited by Emil Wolf (B), Reviewed by Hawkes, P. W., AO 18: A180
- Pulsed high-pressure lamp for the vacuum ultraviolet (E), JOSA 64: 1175
- Quasi-homogeneous sources and geometrical optics (T), OL 4: 354
- Quasi-monochromatic calibration source for the wavelength range from 0.22 μm to 7.0 μm (E), AO 13: 197
- Question of the existence of nonradiating primary planar sources of finite extent (T), JOSA 68: 1281
- Radiant intensity and spatial coherence for finite planar sources (T), JOSA 67: 241
- Radiation from fluctuating three-dimensional scalar sources (A), JOSA 69: 1413
- Radiation standard (P), AO 15: 1670
- Reciprocity relations between the far field and the source field generated by a planar source of any state of coherence (A), JOSA 68: 1410
- Reflective optics for obtaining prescribed irradiative distributions from collimated sources (TE), AO 13: 1444
- Smith–Purcell radiation from a line charge moving parallel to a reflection grating with rectangular profile (T), JOSA 64: 325
- Spatial and frequency distributions of the intensity of pulsed amplified spontaneous emission (TE), JOSA 69: 167
- Spectra in the period between copper and bromine produced with the aid of a 4 GW laser (E), JOSA 65: 623
- Spectral emission of corona discharges (E), AO 15: 76
- Spectral-line profiles and wavelength measurements using the beam-foil light source (TE), JOSA 65: 1376
- Spectral-line profiles and wavelength measurements using the beam-foil light source (errata), JOSA 66: 511
- Spectra of alkali metal vapor and noble gas flashlamps (E), JOSA 68: 62
- Spectroradiometric calibration techniques in the far ultraviolet: a stable emission source for the Lyman bands of molecular hydrogen (E), AO 14: 2133
- Stabilizing tungsten-ribbon pyrometer lamps with silicon photodiodes (A), JOSA 65: 1179
- Statistical properties of synchrotron radiation (T), JOSA 64: 1433
- Synchrotron radiation as a known source for spectrometer calibrations (A), JOSA 64: 545
- Temperature of the Meggers–Corliss–Scribner copper arc (ET), JOSA 65: 315
- Theoretical chromaticity-mismatch limits of metamers viewed under different illuminants (T), JOSA 65: 327
- Theoretical chromaticity-mismatch limits of metamers due to a change from CIE illuminant D<sub>65</sub> to C (T) (L), JOSA 65: 1152
- Time-resolved measurements of the far UV output of a BRV source (E) (L), AO 18: 2916
- Transitions 2s<sup>2</sup>2p–2s2p<sup>2</sup> in the B I isoelectronic sequence (ET) (L), JOSA 65: 463
- Tunable, coherent radiation in the Lyman-α region [1210–1290 Å] using magnesium vapor (E), OL 3: 207
- Tunable submillimeter-wave sources based on laser light scattering (A), JOSA 65: 1204
- Two-component model of an atomic-beam light source (ET), JOSA 64: 884
- Ultraviolet irradiation device (P), AO 18: 3347
- Unfolding first and second order diffracted radiation when using synchrotron radiation sources: a technique (E), AO 14: 1391
- Vacuum ultraviolet high resolution spectroscopy using a BRV continuum source (E), AO 13: 589
- Vacuum ultraviolet radiometry. 3: The argon mini-arc as a new secondary standard of spectral radiance (E), AO 16: 367
- Very-long-baseline astronomy—continuum radiation sources (A), JOSA 64: 522
- Very-long-baseline interferometer astronomy—molecular line radiation sources (A), JOSA 64: 522
- Vortex stabilized flashlamps for dye laser pumping (ET), AO 13: 46
- Wavelength standards for use with a BRV source (E), AO 13: 2712
- Widely tunable infrared source by coherent Raman mixing in H<sub>2</sub> (A), JOSA 66: 1126

## Space

- See also Space optics
- A-Z: the Soviet Encyclopedia of Space Flight. Edited by G. V. Petrovich (B), Reviewed by Howard, John N., AO 13: 1533
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- Entwicklung des Raketenbaus und der Raumfahrt in der UdSSR. By V. P. Glushko (B), Reviewed by Howard, John N., AO 13: 1532
- Experiments and observations with man in space (A), JOSA 64: 523
- Extreme ultraviolet spectrometer for space research (E), AO 13: 575



- Growth potential of Nd:YAG space laser communications (A), JOSA 64: 521
- Initial results of Skylab experiment T027: optical contamination in space (A), JOSA 64: 530
- Space environment on materials, evaluation conference, Toulouse, 17-21 Jun 1974 (N), AO 13: 1A17
- Space Nd:YAG laser-lamp studies (A), JOSA 64: 521
- Vacuum-ultraviolet laser and interstellar space flight (A), JOSA 64: 531
- Wide-band optical communications systems for space application (A), JOSA 64: 519

## Spacecraft

- Data from the Skylab stratospheric aerosol limb experiment (A), JOSA 67: 258
- Data inversion for spacecraft solar occultation experiments in the near IR, UV, and visible region (A), JOSA 67: 259
- Feasibility of atmospheric aerosol measurements with lidar from Space Shuttle (A), JOSA 67: 289
- High-resolution interferometer for atmospheric trace molecule spectroscopy (ATMOS) (A), JOSA 68: 1390
- Image quality prediction: an aid to the Viking Lander imaging investigation on Mars (TE), AO 15: 1748
- Mariner 10 (N), AO 14: A200
- Multiple docking adapter window for the S-190 experiment (TE), AO 13: 2629
- Optical Phenomena in the Atmosphere Observed from Manned Spacecraft. By Beregovoi, Buznikov, Kondratiev, Lazarev, Miroshnikov, Nikolaev, Sevastyanov, Smoktii, and Khrunov, K. Ya. Kondratiev, Ed. (B), Reviewed by Levy, Saul, AO 13: 1A18
- Phenomenological model of scintillation (TE), AO 15: 2511
- Plasma flow and fast particles in a hypervelocity accelerator: a color presentation (E), AO 14: 2542
- Transparent electrically conducting thin films for spacecraft temperature control applications (A), JOSA 67: 1429
- Visual observations from space (E), JOSA 69: 1064
- Visual observations from space (E), JOSA 69: 1192

## Space optics

- See also Planets, Skylab
- Acoustooptic tunable filter performance in a staring IR sensor (T), AO 18: 3901
- Aeronautic and space optics technical group Viking Lander (A), JOSA 66: 1138
- Analysis of differential absorption lidar from the Space Shuttle (T), AO 17: 624
- Anastigmatic three-mirror telescope (T), AO 16: 2074
- Apollo telescope mount of Skylab: an overview (R), AO 16: 825
- Aspheric grating for extreme ultraviolet astronomy (T), AO 17: 1252
- Astro 7 zodiacal light UV polychromator and its absolute radiometric calibration (E), AO 17: 730
- Balloon-borne ultraviolet stellar echelle spectrograph (E), AO 17: 604
- Calculation of space-object reflected intensity using spatially resolved earth-radiance measurements (A), JOSA 65: 1174
- Calibration of infrared instruments for the remote sounding of atmospheric temperature (E), AO 16: 319
- Calibration of satellite radiation instruments, AO 16: 295
- Composite type structure for large reflective mirrors (P), AO 15: 2038
- Comprehensive analysis of gratings for ultraviolet space instrumentation (E), AO 17: 3108
- Considerations of a satellite-borne global wind sensing coherent lidar (A), JOSA 68: 1430
- Controlled generation and absolute calibration of radiant incidence in low-background test facilities for infrared space sensors (ET), AO 14: 1021
- Corrections for atmospheric refractivity in satellite laser ranging (A), JOSA 66: 1095
- Cryogenically cooled infrared telescopes on the Space Shuttle (A), JOSA 68: 1430
- Cryogenic application for graphite and glass fiber composites in an orbiting infrared telescope (A), JOSA 68: 1430
- Decade of interplanetary optical designs (A), JOSA 68: 1431
- Design for high-accuracy critical-angle sun transit sensor (A), JOSA 66: 1095
- Deuterium lamp as a UV continuum source from 160 nm to 320 nm for space applications (E), AO 18: 3938
- Earth laser beacon sensor for earth-oriented geosynchronous satellites (TR), AO 14: 1719
- Effect of the shuttle contaminant environment on a sensitive infrared telescope (R), AO 16: 2051
- Effects of the earth's atmosphere on a spaceborne IR Doppler wind-sensing system (T), AO 18: 2645
- Exploring the earth's atmosphere by photography from Skylab (ET), AO 16: 983
- Exposure time for space-borne IR spatial interferometer (T), AO 18: 228
- Extreme ultraviolet photometer for observations of helium in interplanetary space (E), AO 16: 756
- Extreme ultraviolet spectrograph ATM experiment S082B (E), AO 16: 879
- Extreme ultraviolet spectrometer for space research (E), AO 13: 575
- Extreme UV spectroheliometer on the Apollo telescope mount (E), AO 16: 837
- Fabrication and performance of the Berkeley extreme-ultraviolet stellar spectrometer (A), JOSA 68: 1430
- Fast Fourier transform calculation of diffraction patterns for cube-corner retroreflectors (A), JOSA 66: 1095
- Flight to Mercury. By Bruce Murray and Eric Burgess (B), Reviewed by Howard, John N., AO 17: 1480
- High-resolution interferometer for stratospheric spectroscopy from Spacelab (A), JOSA 67: 1419
- Imaging on Mars: from concept to reality (A), JOSA 67: 1414
- Inflight performance of the Viking visual imaging subsystem (E), AO 16: 3158
- Influence of ground scattering on satellite auroral observations (T), AO 17: 1898
- Infrared horizon locator (P), AO 13: 1A26
- Infrared radiometer for the Pioneer 10 and 11 missions to Jupiter (E), AO 13: 2623
- In orbit sun calibration performance of Landsat-2 (ET) (L), AO 14: 2053
- Low-background infrared measurement facility (A), JOSA 68: 1430
- Low-background large-aperture infrared measurement facility: design considerations (T), AO 17: 3541
- Low-background large-aperture infrared measurement facility: performance (E), AO 17: 3547
- Measurement of stray radiance in the high altitude observatory's Skylab coronagraph (E), AO 16: 931
- Multiple docking adapter window for the S-190 experiment (TE), AO 13: 2629
- Nimbus-6 earth radiation budget experiment (E), AO 16: 306
- Nonimage forming solar concentrator for space solar arrays (A), JOSA 68: 1374
- Nonlinear resonance scanning (T), AO 13: 1796
- NRL-ATM extreme ultraviolet solar image TV monitor flown on skylab (ET), AO 16: 893
- Observing and recording instantaneous images on ATM television monitors (E), AO 16: 922
- Optical contamination evidence from Skylab and Gemini flights (E), AO 14: 2883
- Optical contamination: its prevention in the XUV spectrographs flown by the U.S. Naval Research Laboratory in the Apollo Telescope Mount (R), AO 16: 909
- Optical system for the thematic mapper (A), JOSA 68: 1431
- Optique Spatiale (Space Optics). Edited by A. Marechal and G. Courtes (B), Reviewed by Paul, F. W., JOSA 65: 746
- Origins of Life—Planetary Astronomy. Edited by L. Margulis (B), Reviewed by Wilson, L., AO 13: 1531
- Partial performance degradation of a remote sensor in a space environment, and some probable causes (ET), AO 13: 1230
- Passive cryogenic cooling of electrooptics with a heat pipe/radiator (R), AO 13: 2109
- Performance and problems of x-ray telescopes (A), JOSA 68: 1430
- Photometric calibration of the EUV spectroheliometer on ATM (E), AO 16: 849
- Pioneer Venus radiometer light pipes (L), AO 16: 2344

- Prelaunch testing of the laser geodynamic satellite (LAGEOS); target cross section (A), JOSA 66: 1095
- Prelaunch testing of the laser geodynamic satellite (LAGEOS); target signature (A), JOSA 66: 1096
- Quasi-microscope concept for planetary missions (E), AO 16: 2454
- Radiance calibration of the high altitude observatory white-light coronagraph on Skylab (E), AO 16: 926
- Radiation induced transmission loss in optical materials (E), AO 18: 2618
- Remotely measuring surface pressure from a satellite using a multicolor laser ranging system (T), AO 18: 3184
- Scanners and imagery systems for earth observation, SPIE 18th Annual Technical Meeting, San Diego, 19-23 Aug 1974, session 2 (M), Reported by Mesner, Max H., AO 13: 2455
- Scientific Results of the Viking Project (B), Reviewed by Howard, John N., AO 17: 499
- Secondary electron conduction camera tube for space applications (E), AO 15: 661
- Skylab—earth laser-beacon experiment: results and analysis (E) (L), JOSA 69: 1180
- Skylab—earth laser-beacon experiment: results and analysis (E) (L), JOSA 69: 1198
- Skylab optics: an introduction, AO 16: 823
- Skylab S191 visible-infrared spectrometer (E), AO 16: 967
- Solar XUV grazing incidence spectrograph on Skylab (E), AO 16: 898
- Space-optical system for V/H measurement (A), JOSA 64: 531
- Space Optics. Edited by A. Marechal and G. Courtes (B), Reviewed by Lovell, D. J., AO 14: 2349
- Space Optics, papers from ICO, 9th Congress (N), AO 13: 8A16
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- Space reflectors for radar and astronomy (TE), AO 14: 526
- Space Shuttle Orbiter Large Format Camera (N), AO 17: 3887
- Space Telescope. NASA SP: 392 (B), Reviewed by Silverman, Shirleigh, AO 15: 2294
- Spectra of high-resolution heliograms in the extreme-ultraviolet by use of toroidal gratings (A), JOSA 68: 1431
- Spin-scan images of Saturn from Pioneer II: distortion correction (A), JOSA 69: 1450
- Stellar interferometer for figure sensing of orbiting astronomical telescopes (TE), AO 13: 1785
- Stigmatic performance of an XUV spectrograph with a single toroidal grating (T), AO 18: 3948
- Stray light suppression in optical space experiments (E), AO 13: 556
- S056 x-ray telescope experiment on the Skylab Apollo telescope mount (E), AO 16: 858
- System-optical-quality (SOQ) computer modeling for laser pointing systems (A), JOSA 66: 1095
- Ten-color Gegenschein—zodiacal light photometer (E), AO 16: 978
- Threshold detection in pulsed laser ranging (T) (L), AO 15: 1349
- Tunable filters for spaceflight (A), JOSA 68: 1431
- TV in space science activities: some considerations (E), AO 16: 999
- Ultraviolet polarimeter to record resonance-line polarization in the solar spectrum around 130-150 nm (E), AO 15: 1188
- Viking infrared thermal mapper (errata), AO 17: 2132
- Viking infrared thermal mapper (E), AO 17: 1243
- Visual observations from space (E), JOSA 69: 1064
- Visual observations from space (E), JOSA 69: 1192
- Waveguide CO<sub>2</sub> lasers for a space communications transceiver (A), JOSA 66: 1083
- White light coronagraph in OSO-7 (E), AO 14: 743

## Spatial coherence

See Coherence



## Spatial filtering

- Abbe or the duffieux (L), AO 13: 2747  
 Abbe and the duffieux comments (L), AO 13: 460  
 Application of volume holograms as color-sensitive spatial filters (A), JOSA 68: 1415  
 Background suppression in double-beam interferometry (ET), AO 18: 1996  
 Coherent spatial filtering with simulated input (E), AO 18: 1659  
 Fourier transform differences and averaged similarities in diatoms (E), AO 18: 1663  
 Images of gas molecules by electron holography. III. Theory of optical spatial domain filter (TE), JOSA 69: 1292  
 Imaging performance of annular apertures. 3: Apodization and modulation transfer functions (T), AO 18: 3770  
 Improving contrast in ultrasonic modulators with spatial filtering (A), JOSA 66: 1094  
 Incoherent optical processing of complex data (T) (L), AO 16: 261  
 Incoherent optical processing via spatially offset pupil masks (ET), AO 17: 2454  
 Multispectral size-averaged incoherent spatial filtering (ET), AO 18: 4025  
 Optical matched filtering of incoherent images (T) (L), AO 18: 3548  
 Probability distribution of optical amplitude scattered from a rough object containing multiple glints (T), JOSA 67: 1269  
 Random pattern generation using coherent optical spatial filtering, AO 18: 2830  
 Spatial filtered pseudocolor holographic imaging (A), JOSA 68: 1415  
 Spatial filtering design considerations for a line scanning sensor (T), AO 18: 775  
 Spatial filtering in speckle (T), OL 4: 99  
 Spatial filtering of aberrations and the point diffraction interferometer (A), JOSA 68: 1416  
 Spatial frequency filtering and its application to microscopy (ET), AO 16: 2264  
 Statistical spatial filtering: application to aerial photographs (ET), AO 17: 3395  
 Suppression of self-focusing through low-pass spatial filtering and relay imaging (T), AO 17: 2053

## Spatial filters

- Adaptive photodichroic matched spatial filter (ET) (L), AO 15: 2631  
 Binary computer-generated holograms (ET), AO 18: 3661  
 Classification of optical data by orthogonalized spatial filtering (A), JOSA 66: 170  
 Coherent optical noise suppression device (ET), AO 13: 2244  
 Color-sensitive spatial filters (T), OL 3: 85  
 Cross-correlation discrimination for optical cavity modes (ET), AO 15: 206  
 Development effects and the MTF of high-resolution photographic materials for holography (E), JOSA 64: 862  
 Fourier optical synthesis of Zernike's three-slit interferometer (TE) (L), JOSA 68: 868  
 Fraunhofer hologram for image multiplication by amplitude sampling spatial filtering (ET), AO 15: 1639  
 Generalized binary computer-generated holograms as spatial filters (A), JOSA 66: 169  
 Generalized sampling theorem with application to computer-generated transparencies (T), JOSA 68: 1658  
 Improved performance of fusion lasers using the imaging properties of multiple spatial filters (TE) (L), AO 16: 779  
 Incoherent processor for restoring images degraded by a linear smear (ET), AO 17: 2191  
 Inverse sampling spatial filtering as a method of image multiplication (T) (L), AO 16: 24  
 Laser speckle reduction: equivalence of the moving aperture method and incoherent spatial filtering (TE), AO 16: 685  
 Least-mean-square spatial filter for IR sensors (T), AO 18: 4210  
 Linear space-variant optical processing of 1-D signals (TE), AO 16: 733  
 Measurement of strain distribution in plane metal plate by optical spatial filtering (TE), AO 14: 115  
 Measurement of surface strain distribution by means of color display using optical spatial filtering (TE), AO 14: 970

- Mode discrimination of unstable resonators with spatial filters and by phase modification (T), OL 4: 193  
 Multiple imaging by a sampling spatial filter (T) (L), AO 14: 2343  
 Noise-free contrast improvement with a low frequency polarizing filter: a practical evaluation (E), AO 16: 1513  
 Optical energy and spatial filter for high local resolution Raman spectroscopy with giant pulse lasers (ET), AO 18: 357  
 Optical spatial filtering and water-pollution monitoring (A), JOSA 64: 544  
 Optimal filter design for annular imaging (T), AO 13: 2919  
 Optimization of parameters in matched spatial filter synthesis (ET), AO 16: 1662  
 Periodic nonsinusoidal vibration: effects in matched filtering for detection of signals buried in noise of uniform spectral density (T), AO 14: 2940  
 Phase image differentiation with linear intensity output (T), AO 17: 181  
 Plasma spatial filter (E) (L), AO 16: 1449  
 Refractive-index profile determination of optical fibers by spatial filtering (T) (L), AO 17: 14  
 Refractive-turbulence profiles measured by one-dimensional spatial filtering of scintillations (TE), AO 15: 2504  
 Rotating wedge spatial filter (E) (L), AO 17: 163  
 Rotational matched spatial filter for biological pattern recognition (A), JOSA 69: 1451  
 Scan line filters for optical spectral analysis (T), AO 14: 353  
 Simplified production of spatial inverse filters (TE), OL 3: 247  
 Spatial discrimination system for use with pulsed optical energy and television pick-up tubes (P), AO 13: 455  
 Spatial filtering and image positive-negative reversal (ET), AO 14: 1683  
 Spatial filtering of moiré plots (A), JOSA 64: 560  
 Spatial frequency sampling by phase modulation as a method of generating multiple images (E), AO 16: 2261  
 Testing optical surfaces by the method of the caustic using a phase-stripe as spatial filter (TE), AO 18: 1463  
 Water pollution monitoring using matched spatial filters (E), AO 15: 510

## Speckle patterns

- See also Coherence, Correlation  
 Aliasing error in digital holography (TE), AO 15: 2183  
 Analogies between the mathematical formulations of partially coherent fields and speckle patterns (A), JOSA 67: 1389  
 Analysis and prediction of laser scattering from rough-surface materials (T), JOSA 69: 610  
 Analysis of double-exposure speckle photography with two-beam illumination (TE), JOSA 64: 857  
 Analysis of dynamic phenomena by speckle techniques (A), JOSA 66: 1085  
 Analytical, experimental, and computer simulation studies of speckle effects in multidither COAT systems (A), JOSA 66: 635  
 Analytical, experimental, and computer-simulation results on the interactive effects of speckle with multidither adaptive optics systems (TE), JOSA 67: 333  
 Applications of laser speckle interferometry to strain concentration measurement (A), JOSA 66: 183  
 Astronomical speckle imaging (A), JOSA 65: 1196  
 Atmospheric imaging constraints measured with speckle interferometry (A), JOSA 67: 1390  
 Atmospheric speckle (A), JOSA 66: 181  
 Automatic speckle cancellation techniques (ASPECT) (A), JOSA 68: 1385  
 Bending and vibration of plates by laser-speckle interferometry (A), JOSA 65: 1196  
 Binary star speckle interferometry (A), JOSA 66: 1077  
 Camera testing by use of speckle patterns (ET), AO 13: 2026  
 Changes in the atmospheric-lens modulation transfer function used for calibration in solar speckle interferometry (TE), JOSA 68: 1063  
 Characterization of small particles by laser speckle (A), JOSA 68: 1443  
 Checkerboard real-imaginary phase code (A), JOSA 68: 1444  
 Chopped laser light in electronic speckle pattern interferometry (ET), AO 18: 2377  
 Comparative sensitivities of stellar speckle interferometry and amplitude interferometry (A), JOSA 66: 1077  
 Comparison of continuous and discrete mixed-integration processors (A), JOSA 66: 179  
 Comparison of continuous and discrete mixed-integrator processors (T), JOSA 66: 1295  
 Computer simulation study of image speckle patterns with relation to object surface profile, JOSA 66: 1222  
 Contouring by projection of multiple wavelength speckle patterns (A), JOSA 68: 1391  
 Contrast of time-averaged speckle patterns at a defocused image plane (T), JOSA 69: 558  
 Contrast of white light speckle patterns at a defocused image plane (E) (L), AO 18: 3725  
 Correlation and information processing using speckle (A), JOSA 66: 178  
 Correlation and information processing using speckles (T), JOSA 66: 1275  
 Detection and measurement of small vibrations using electronic speckle pattern interferometry (E), AO 16: 1869  
 Determination of surface roughness by correlation of multiple wavelength speckle patterns (A), JOSA 66: 180  
 Determination of surface roughness by correlation of speckle patterns (A), JOSA 66: 182  
 Development of laser speckle and its application to surface inspections (E), AO 16: 180  
 Diffuser for producing texture masks for image processing (TE), AO 13: 648  
 Digital filtering of speckle noise (A), JOSA 68: 1376  
 Dynamic laser speckle interferometry applied to transient flexure problem (E) (L), AO 16: 3085  
 Dynamic statistical properties of vibrating laser speckle in the diffraction field (TE), AO 17: 3785  
 Effect and suppression of speckle in images (A), JOSA 66: 176  
 Effect of magnification change in laser speckle photography (TE), JOSA 68: 1742  
 Effect of nonuniform irradiance, and irradiance fluctuations, upon the response of photographic film (ET), JOSA 65: 1495  
 Effects of coherence on the statistical properties of speckle (A), JOSA 66: 176  
 Effects of speckle in adaptive optical systems (A), JOSA 66: 180  
 Effects of speckle in adaptive optical systems (E), JOSA 66: 1261  
 Effects of speckle on a scanned laser imaging/ranging system (A), JOSA 69: 1422  
 Effects of speckle on resolution (E), JOSA 66: 1257  
 Effects of speckle on the identification of objects (A), JOSA 66: 177  
 Effects of the atmosphere in stellar speckle interferometry (A), JOSA 66: 181  
 Electronic speckle pattern interferometry—today and tomorrow (A), JOSA 69: 1422  
 Electro-optical read-out system for analysis of speckle photographs (A), JOSA 69: 1422  
 Energy dependence of the transfer function in stellar speckle interferometry in the poor seeing limit (A), JOSA 67: 1390  
 Enhanced fluctuations in radiation scattered by a moving random phase screen (T), JOSA 66: 1175  
 Equivalent source coherence of laser-illuminated rough surfaces (A), JOSA 66: 183  
 Estimation of spatial power spectra in speckle interferometry (T), JOSA 69: 786  
 Experimental results of surface-roughness studies by means of dichromatic speckle patterns (A), JOSA 67: 1366  
 Far-field speckle and Doppler shifts for rough laser-illuminated rotating cylinders (T) (L), AO 18: 755  
 Fast FFT-based algorithm for phase estimation in speckle imaging (TE), AO 18: 2056  
 Film nonlinearities in speckle photography (A), JOSA 68: 1406  
 Focus-position sensing using laser speckle (A), JOSA 68: 1426  
 Focus-position sensing using laser speckle (TE), AO 18: 1042  
 Four-exposure hologram moiré interferometry and speckle-pattern interferometry: a comparison (E) (L), AO 14: 22



- Fundamental limitations of stellar speckle interferometry (A), JOSA 66: 181
- Fundamental properties of speckle (T), JOSA 66: 1145
- Further computer simulation study of image speckle patterns with relation to object surface profile (T), JOSA 67: 808
- Hologram recording and reconstructing system (P), AO 15: 1359
- Holographic speckle reduction by complementary spatial sampling (ET), AO 16: 1371
- Holographic speckle reduction without resolution tradeoff (A), JOSA 65: 1196
- Image extraction from speckle patterns (A), JOSA 66: 177
- Image information by means of speckle-pattern processing (TE), JOSA 65: 279
- Image retrieval from astronomical speckle patterns (A), JOSA 66: 182
- Image retrieval from astronomical speckle patterns (TE), JOSA 66: 1236
- Image speckle patterns of weak diffusers in partially coherent light (A), JOSA 66: 182
- Image speckle patterns of weak diffusers (T), JOSA 65: 769
- Imaging in astronomy: OSA topical meeting, Cambridge, 18-21 Jun 1975 (M), Reported by Wyant, James C., AO 14: 2322
- Imaging in the presence of random wave aberrations (T), JOSA 69: 717
- Improved random spatial phase modulation for speckle elimination (A), JOSA 67: 1390
- Improved random spatial phase modulation for speckle elimination (E), AO 17: 1447
- Influence of laser speckle on COAT systems (A), JOSA 66: 180
- Information capacity of images with speckle noise (A), JOSA 68: 1362
- Initial evaluation of performance of adaptive optical systems with extended dynamic targets (T), JOSA 67: 345
- Intensity fluctuations resulting from partially coherent light propagating through atmospheric turbulence (T), JOSA 69: 73
- Interference in astronomical speckle patterns (T), JOSA 66: 1240
- Kitt Peak speckle camera (E), AO 18: 1034
- Laboratory-simulated speckle interferometry (E), JOSA 65: 1287
- Laboratory simulation of stellar speckle interferometry (E), AO 18: 828
- Laser propagation through a random medium (A), JOSA 68: 1370
- Laser Speckle and Related Phenomena, Topics in Applied Physics, Volume 9, Edited by J. C. Dainty (B), Reviewed by Fried, David L., JOSA 67: 1131
- Laser Speckle, Edited by J. C. Dainty (B), Reviewed by Howard, John N., AO 16: A38
- Laser speckle interferometry for plate bending problems (TE), AO 15: 2199
- Laser speckle interferometry of semi-Lambertian reflecting surfaces (TE), AO 17: 2329
- Laser speckle optometer applications to ophthalmological problems (A), JOSA 66: 1112
- Laser speckle reduction: equivalence of the moving aperture method and incoherent spatial filtering (TE), AO 16: 685
- Lens atmosphere MTF measurements (A), JOSA 66: 182
- Measurement of atmospheric speckle isoplanicity (A), JOSA 66: 1077
- Measurement of correlation length using dichromatic speckle (A), JOSA 69: 1423
- Measurement of  $r_0$  with speckle interferometry (TE), JOSA 68: 348
- Measurement of small vibrations using electronic speckle pattern interferometry (T), JOSA 67: 1578
- Measurement of subspeckle-size changes by laser-speckle photography (ET), OL 4: 406
- Measurement of surface roughness using speckle contrast (A), JOSA 66: 179
- Measurement of surface roughness properties by using image speckle contrast (E), JOSA 66: 1217
- Measurements of atmospheric isoplanatism using speckle interferometry (A), JOSA 67: 1391
- Measurements of atmospheric isoplanatism using speckle interferometry (E), JOSA 68: 169
- Measurements of the isoplanatic angle using speckle interferometry (A), JOSA 66: 1077
- Measuring fluid velocities with speckle patterns (E), OL 1: 135
- Method for processing stellar speckle data (T): comments (L), JOSA 69: 1394
- Multi-telescope systems for optical astronomy (A), JOSA 65: 1191
- Noise considerations in stellar speckle interferometry (T), JOSA 67: 1176
- Non-Gaussian image plane speckle (A), JOSA 69: 1422
- Non-Gaussian speckle with correlated weak scatterers: a computer simulation (E), JOSA 69: 1573
- Nonisoplanatic effects in speckle interferometry (A), JOSA 66: 1077
- Numerical simulation of laser speckle (A), JOSA 65: 1196
- Optical computing conference, international, Zurich, 9-11 Apr 1974 (M), Reported by Casasent, David, AO 13: 2450
- Optical method for measuring contour slopes of an object (A), JOSA 65: 1187
- Optical surface roughness determination using speckle correlation technique (TE), AO 14: 872
- Passive imaging through the turbulent atmosphere: fundamental limits on the spatial frequency resolution of a rotational shearing interferometer (T), JOSA 68: 67
- Performance of image-plane sharpness criteria in image reconstruction (T), JOSA 68: 890
- Practical speckle interferometry for measuring in-plane deformation (E), AO 14: 878
- Problem in the determination of correlation functions (T) (L), JOSA 67: 1125
- Problem in the determination of correlation functions (errata), JOSA 68: 277
- Problem of defocusing in speckle photography, its connection to hologram interferometry, and its solutions (T), JOSA 66: 1267
- Procede de mesure interferometrique utilisant le speckle et son application a l'instrumentation petroliere (ET), AO 16: 1754
- Processing stellar speckle interferometry data (T), JOSA 68: 1271
- Properties of speckle integrated with a finite aperture and logarithmically transformed (T), JOSA 66: 1160
- Real-time measurement of surface roughness by correlation of speckle patterns (TE), JOSA 66: 1210
- Real time measurement of very small transverse displacements of diffuse objects by random moire. 1: Theory (T), AO 15: 1241
- Real time measurement of very small transverse displacements of diffuse objects by random moire. 2: Experiments (E), AO 15: 1248
- Reconstructed images of Alpha Orionis using stellar speckle interferometry (A), JOSA 66: 181
- Reconstructed images of Alpha Orionis using stellar speckle interferometry (E), JOSA 66: 1243
- Reconstruction of an object from the modulus of its Fourier transform (A), JOSA 67: 1389
- Reconstruction of turbulence-degraded images using nonredundant aperture arrays (T), JOSA 68: 883
- Recurrence rate correlation in moving laser speckle (A), JOSA 67: 1390
- Reference speckle superposition technique applied to transient phenomena analysis (E) (L), AO 15: 316
- Resolution of partially coherent objects by use of speckle interferometry (T), JOSA 64: 155
- Results on the imaging of incoherent sources through turbulence (T), JOSA 66: 574
- Roughness measurements of metal surfaces using laser speckle (E), JOSA 67: 1171
- Safelight for Agfa 10E75 and 8E75 plates (L), AO 17: 1846
- Second-order statistics of laser-speckle patterns (T), JOSA 65: 779
- Second-order statistics of laser-speckle patterns (T) (errata), JOSA 66: 79
- Second-order statistics of speckle patterns observed through finite-size scanning apertures (T), JOSA 68: 614
- Simultaneous tackling of the problems of temporal coherence length and speckle in holography (A), JOSA 64: 1382
- Space-time analysis in stellar speckle interferometry (A), JOSA 69: 1441
- Spatial and frequency distributions of the intensity of pulsed amplified spontaneous emission (TE), JOSA 69: 167
- Spatial filtering in speckle (T), OL 4: 99
- Speckle and noise suppression in coherent images (A), JOSA 66: 176
- Speckle and remote sensing (A), JOSA 65: 1190
- Speckle and specular effects in active long-wavelength imaging systems (A), JOSA 67: 1390
- Speckle and specular effects in active long-wavelength imaging systems using heterodyne detection (A), JOSA 68: 1361
- Speckle correlation measurement of the velocity of a small rotating rough object (L), AO 14: 2344
- Speckle elimination by spatial-coherence reduction in projection displays (A), JOSA 64: 1401
- Speckle elimination using random spatial phase modulation (A), JOSA 66: 1111
- Speckle elimination using random spatial phase modulation (E) (L), AO 16: 1473
- Speckle field of curved, moving surfaces of Gaussian roughness (A), JOSA 66: 635
- Speckle field of curved, rotating surfaces of Gaussian roughness illuminated by a laser light spot (TE), JOSA 66: 1194
- Speckle-free rear-projection screen using two close screens with slow relative motion (A), JOSA 66: 176
- Speckle-free rear-projection screen using two close screens in slow relative motion (E), JOSA 66: 1290
- Speckle from a thick diffuser (A), JOSA 65: 1196
- Speckle from rough, moving objects (T), JOSA 66: 1182
- Speckle, heterodyne detection, and object rotation (A), JOSA 66: 179
- Speckle holography measurements of the stars Zeta Cancri and ADS 3358 (E) (L), AO 17: 1660
- Speckle imaging, photon by photon (T), AO 18: 611
- Speckle in engineering measurement (A), JOSA 66: 183
- Speckle in images: its effects and its suppression (A), JOSA 66: 177
- Speckle in images (T), JOSA 66: 1172
- Speckle intensity crosscovariance function for two misaligned laser beams in a turbulent atmosphere (A), JOSA 69: 1412
- Speckle interferometry at finite spectral bandwidths and exposure times (E), JOSA 68: 480
- Speckle interferometry lens-atmosphere MTF measurements (E), JOSA 66: 1252
- Speckle interferometry measurements of atmospheric nonisoplanicity using double stars (E), JOSA 68: 338
- Speckle interferometry on the 2.5 m Isaac Newton telescope (A), JOSA 66: 181
- Speckle interferometry on the 2.5 m Isaac Newton telescope (ET), JOSA 66: 1247
- Speckle interferometry with severely aberrated telescopes (E) (L), JOSA 67: 1277
- Speckle interferometry with television systems (A), JOSA 66: 183
- Speckle methods for the display of motion paths (TE), JOSA 66: 1271
- Speckle motions induced by rigid-body movements in free-space geometry: an explicit investigation and extension to new cases (TE), AO 18: 2022
- Speckle noise in displays (TE), JOSA 66: 1282
- Speckle noise model for optical heterodyne line-scan imagery (T), AO 18: 781
- Speckle noise models for optical heterodyne line-scan imagery (A), JOSA 68: 1386
- Speckle noise reduction by random phase shifters (ET), AO 14: 660
- Speckle-noise simulation of Fourier-transform holography with random phase sequences (T) (L), JOSA 65: 856
- Speckle-pattern intensity and phase: second-order conditional statistics (T), JOSA 69: 1690
- Speckle patterns and entropy (A), JOSA 66: 176
- Speckle-pattern visibility of light transmitted through a multimode optical fiber (TE) (L), JOSA 66: 1312
- Speckle phenomena in optics, microwaves, and acoustics, OSA Topical Meeting, Ailomar, 24-26 Feb 1976 (M), Reported by Pearson, James E., AO 15: 1362
- Speckle propagation through turbulence: experimental (E), JOSA 68: 780
- Speckle reduction by spatial sampling (T) (L), AO 13: 1000
- Speckle reduction in holography (P), AO 15: 2609
- Speckle reduction in holography with a spatially incoherent source (E), AO 14: 1093
- Speckle reduction in synthetic-aperture radars (A), JOSA 66: 179



- Speckle reduction in synthetic-aperture radars (TE), JOSA 66: 1305
- Speckle removal by optical and digital processing (A), JOSA 66: 177
- Speckle-shearing interferometric technique: a full-field strain gauge (ET), AO 14: 618
- Speckle-shearing interferometry: a simple optical system (ET) (L), AO 14: 2563
- Speckle-suppressed holography with spatially incoherent source (TE), JOSA 64: 1507
- Spectral and spatial autocorrelation function for speckle intensity (A), JOSA 64: 544
- Statistical and correlation properties of speckle produced by a moving rough surface (A), JOSA 66: 179
- Statistical distribution of the phase in noncircular Gaussian speckle patterns (A), JOSA 67: 1389
- Statistical distribution of the phase in noncircular Gaussian speckle patterns (T) (L), JOSA 68: 866
- Statistical measurements of speckle propagation through the turbulent atmosphere (A), JOSA 68: 540
- Statistical properties of laser speckle produced in the diffraction field (TE), AO 16: 1742
- Statistical properties of speckle in monochromatic light (A), JOSA 66: 176
- Statistical properties of the sum of partially developed speckle patterns (T), OL 1: 98
- Statistics of normal and anomalous speckle patterns (A), JOSA 65: 1190
- Statistics of speckle propagation through the turbulent atmosphere (A), JOSA 66: 180
- Statistics of speckle propagation through the turbulent atmosphere (A), JOSA 68: 540
- Statistics of speckle propagation through the turbulent atmosphere, JOSA 66: 1164
- Statistics of stellar speckle patterns (E), AO 17: 3779
- Statistics of the laser radar cross section of a randomly rough target (T), JOSA 66: 1150
- Strain analysis by one-beam laser speckle interferometry. 1: Single aperture method (TE), AO 15: 2205
- Strain analysis by one-beam laser speckle interferometry. 2: Multiaperture method (TE), AO 18: 2175
- Study of flow pattern in a fluid by scattered laser light (E) (L), AO 16: 2334
- Study of laser speckles in the presence of spherical aberration (E), JOSA 69: 877
- Surface profile comparison of machined surfaces by 10  $\mu$ m speckle interferometry (A), JOSA 66: 183
- Surface roughness measurements by means of polychromatic speckle patterns (ET), AO 18: 4051
- Surface roughness measurement using dichromatic speckle pattern: an experimental study (E), AO 17: 2690
- Synthesis of holography and speckle photography to measure 3-D displacements (E) (L), AO 13: 219
- Temporal coherence length and speckle: a simultaneous approach to those problems in holography (E) (L), AO 14: 2051
- Temporal coherence length and speckle: a simultaneous approach to those problems in holography; authors' reply to comment (E) (L), AO 15: 1680
- Temporal coherence length and speckle: a simultaneous approach to those problems in holography; comment (E) (L), AO 15: 1680
- Temporal frequency spectra for laser speckle cortical evoked responses (A), JOSA 68: 1380
- Testing the truensness of circular surfaces by laser speckle photography (ET) (L), AO 18: 2351
- Theory of speckle dependence on surface roughness (A), JOSA 66: 180
- Theory of speckle dependence on surface roughness (T), JOSA 66: 1204
- Topical issue on laser speckle (N), JOSA 66: 1316
- Transfer functions, correlation scales, and phase retrieval in speckle interferometry (E), JOSA 67: 1583
- Vibration measurement on the human ear drum *in vivo* (E), AO 18: 763
- Vibration phase mapping using electronic speckle pattern interferometry (E), AO 15: 2701
- Vibration signature from speckle (A), JOSA 66: 177
- Visibility of speckle patterns: effect of the optical guide length in coherent light (E) (L), AO 15: 609
- Vulnerability of speckle photography to lens aberrations (A), JOSA 67: 1390
- Vulnerability of speckle photography to lens aberrations (E), JOSA 67: 1587
- Wavelength, bandpass, and exposure time effects in speckle interferometry (A), JOSA 67: 1390
- Wavelength sensitivity of speckle from an extended object (A), JOSA 66: 178
- White light speckle method of experimental strain analysis (E) (L), AO 18: 409
- ### Spectra
- See also Spectroscopy headings
- Absorption spectrum of B I in the 1350–1900-Å region (E), JOSA 64: 877
- Absorption spectrum of Si I between 1500 and 1900 Å (ET), JOSA 64: 1665
- Analysis of autoionization resonance profiles in the emission spectrum of multiply ionized nitrogen (A), JOSA 64: 529
- Analysis of Fabry-Perot interferograms of periodic spectra (T), JOSA 64: 871
- Analysis of the spectrum of quadruply ionized aluminum (Al v) (TE), JOSA 64: 1063
- Atomic and Ionic Emission Lines below 2000 Angstroms: Hydrogen through Krypton. By Raymond L. Kelly and Louis J. Palumbo (B). Reviewed by Cowan, Robert D., JOSA 64: 1021
- Atomic-state densities of Ne metastable and Br resonant levels in a Ne-Br<sub>2</sub> mixture (E) (L), JOSA 64: 1720
- Attenuated-total-reflection spectral linewidth: analysis of surface-polariton dispersion relations and damping rates (TE), JOSA 64: 350
- Beam-foil study of nitrogen between 100 and 400 Å (E), JOSA 64: 1011
- Calculation of attenuated-total-reflection spectra of surface magnetoplasmons on semiconductors (TE), JOSA 64: 1551
- Configurations of 4s<sup>2</sup>4p<sup>4</sup> and 4s4p<sup>5</sup> in Rb iv and Sr v (E), JOSA 64: 696
- Derivatives of 6.3  $\mu$ m water-vapor-band (ET), JOSA 64: 1119
- Effect of continuum configuration interaction on the position of sp<sup>6</sup> in neutral chlorine and other halogens (T), JOSA 64: 1474
- Energy levels of 1s<sup>2</sup> 2s<sup>2</sup> 2p<sup>2</sup> configurations in the C I and N I sequences in S, Cl, Ar, K, Ca (E) (L), JOSA 64: 397
- Extraterrestrial solar spectrum, 3000–6100 Å at 1-Å intervals (E), AO 13: 518
- Extreme-ultraviolet spectrum of N III (ET), JOSA 64: 1164
- Far-infrared spectra of dysprosium and terbium iron garnet (E), JOSA 64: 880
- Grotrian charts for atoms and ions of rare gases (ET) (L), JOSA 64: 396
- Ground-state term intervals in multiply ionized zinc (Zn v, Zn vi) and gallium (Ga v, Ga vi, Ga vii) (E), JOSA 64: 702
- Hyperfine structure in the <sup>253</sup>Es emission spectrum, III: Extension of the line list, levels of Es I and Es II, nuclear magnetic-dipole and quadrupole moments (ET), JOSA 64: 77
- Interferometric analyses of Ne II and Ar II spectral lines from a hollow-cathode discharge (ET), JOSA 64: 186
- Interferometric measurement of Pb II spectrum (ET), JOSA 64: 1159
- Interferometric observations of Ar I in the photographic region (ET), JOSA 64: 1072
- Isotope shifts and electron configurations in the spectrum of Er I (A), JOSA 64: 1371
- Kramers-Kronig dispersion analysis of LiF reflectance data obtained at ambient and low temperatures (ET), JOSA 64: 1450
- Limitations on the interpretation of specular reflection spectra with an application to solid CO (TE), AO 13: 1184
- Measurements of Rayleigh line widths of liquids (A), JOSA 64: 530
- Methode d'échantillonnage des fonctions déterministes en spectroscopie: application à un spectrometre multicanal par comptage photonique (T), AO 13: 581
- Methode d'échantillonnage des fonctions déterministes en spectroscopie: application à un spectrometre multicanal par comptage photonique (errata), AO 13: 1739
- Position of the sp<sup>6</sup> configuration in the neutral halogens (ET) (L), JOSA 64: 1017
- Quantum-defect analysis of the effects of np<sup>2</sup> terms on the singlet terms of alkaline earths and of their isoelectronic sequences (T), JOSA 64: 706
- Radiative lifetimes in As I and Sb I (E) (L), JOSA 64: 891
- Radiative lifetimes of some levels of Xe I and Xe II (E), JOSA 64: 1009
- Relative transition probabilities of cobalt (E), JOSA 64: 1479
- Restoration of instrumentally broadened ESCA spectra (A), JOSA 64: 1372
- Revised analysis of the 2p<sup>5</sup>3s, 3p, 3d, and 4s configurations of triply ionized aluminum (Al IV) (ET), JOSA 64: 197
- Spectra and energy levels of three- and four-times ionized hafnium (Hf IV and Hf v) (ET), JOSA 64: 1656
- Spectra of Hf v through Re VIII (A), JOSA 64: 1370
- Spectra of N VI, O VII, F VII, and F VIII in the grazing-incidence region (E), JOSA 64: 699
- Spectrum and energy levels of doubly ionized europium (Eu III) (ET), JOSA 64: 1484
- Spectrum and energy levels of quadrupole-ionized vanadium (V v) (ET), JOSA 64: 498
- Spectrum and energy levels of singly ionized rubidium (Rb II) (A), JOSA 64: 1371
- Spectrum of quintuply ionized manganese (Mn vi) (A), JOSA 64: 1371
- Systematics in the relative energies of some low-lying electron configurations in the gaseous atoms and free ions of the lanthanide and actinide series (TE), JOSA 64: 687
- Thermodynamic derivatives of infrared absorptance (TE), JOSA 64: 1111
- Thin film infrared channel spectra (E) (L), AO 13: 2465
- Transitions between the levels of the ground configuration in Te II (E) (L), JOSA 64: 1272
- Transitions in highly ionized Sn spectra from a laser-produced plasma (ET), JOSA 64: 1058
- Use of a CO<sub>2</sub> laser to determine half widths and strengths for lines in the 10.4- $\mu$ m CO<sub>2</sub> band (A), JOSA 64: 530
- Wavelengths, energy levels, and analysis of the second spectrum of chlorine (Cl II) (ET), JOSA 64: 366
- ### Spectrographs
- See also Spectroscopy headings
- Apparatus and method for the uniform separation of spectral orders (P), AO 15: 1888
- Automatic precision measurement of spectrograms (E), AO 17: 2280
- Balloon-borne ultraviolet stellar echelle spectrograph (A), JOSA 66: 1096
- Balloon-borne ultraviolet stellar echelle spectrograph (E), AO 17: 604
- Concentric spectrographs (TE), AO 16: 3122
- Experience with Schumann-type XUV film on Skylab (E), AO 16: 887
- Extreme ultraviolet spectrograph ATM experiment S082B (E), AO 16: 879
- Extreme ultraviolet spectroheliograph ATM experiment S082A (E), AO 16: 870
- Field-averaging spectrograph camera for remote sensing applications and its characteristics (E), AO 16: 601
- Fisheye field spectrograph (ET), AO 17: 3076
- Grazing incidence spectrograph-monochromator with a focusing toroidal mirror (TE), AO 18: 1900
- High-dispersion astronomical spectroscopy with holographic and ruled diffraction gratings (E), AO 17: 404
- Measuring the wavelength of light with a self-calibrating grating (ET), OL 1: 191
- Moderate resolution VUV rocket spectrograph (E), AO 13: 193
- New stigmatic, coma-free, concave-grating spectrograph (T), JOSA 65: 13
- Optical contamination: its prevention in the XUV spectrographs flown by the U.S. Naval Research Laboratory in the Apollo Telescope Mount (R), AO 16: 909
- Ray-tracing the convex curved crystal x-ray spectrograph (TE), AO 18: 374
- Sensitive far UV spectrograph with a multispectral element microchannel plate detector for rocket-borne astronomy (E), AO 15: 3123
- Skylab observations of the sun (170–630 Å) with the NRL objective grating spectroheliograph (A), JOSA 64: 1375
- Skylab ultraviolet stellar astronomy experiment S019 (E), AO 16: 973
- Solar XUV grazing incidence spectrograph on Skylab (E), AO 16: 898



- Stigmatic observations of laser-produced plasmas with a grazing-incidence spectrograph (E), OL 4: 187
- Stigmatic performance of an XUV spectrograph with a single toroidal grating (T), AO 18: 3948
- Thin aluminum filters for use on the Apollo Telescope Mount XUV spectrographs (E), AO 16: 904
- Versatile nebular insect-eye Fabry-Perot spectrograph (E), AO 14: 465
- Versatile plane-grating spectrograph (A), JOSA 64: 538
- Wide aperture optical correlator—spectrum analyzer: evaluation of a new design, AO 14: 2944

## Spectrometers

See also Spectrophotometer and subheadings

- Alignment of a Fourier transform spectrometer for measuring high temperature reflectivities (E) (L), AO 17: 3529
- Analysis of the spectral imaging capabilities of a moving grating interferometric spectrometer (TE), JOSA 69: 470
- Analysis of the spectral imaging capabilities of a moving grating interferometric spectrometer (errata), JOSA 69: 1633
- Analytical description of a Fabry-Perot spectrometer. 3: Off-axis behavior and interference filters (TE), AO 13: 2654
- Analytical description of a Fabry-Perot spectrometer. 4: Signal noise limitations in data retrieval; winds, temperature, and emission rate (T), AO 17: 2967
- Analytical description of a Fabry-Perot spectrometer. 5: Optimization for minimum uncertainties in the determination of Doppler widths and shifts (T), AO 18: 3826
- Apparatus for interferometric background suppression (P), AO 18: 3271
- Application of a Fabry-Perot spectrometer to the measurement of spectral line shifts much smaller than line width (ET), AO 15: 69
- Automatic cross correlation interferometry (P), AO 15: 584
- Automatic design of holographic gratings for Seya-Namioka monochromators (T), JOSA 68: 1254
- Calibration of far-infrared spectrometers in the 100–200  $\text{cm}^{-1}$  region with the  $\nu_5$ - $\nu_4$  band of acetylene (E), AO 15: 419
- Calibration of long wavelength Exotech model 20C spectroradiometer (E), AO 18: 2334
- Color-center laser spectrometer for detection of free radicals (A), JOSA 69: 1463
- Compact interference-filter polychromator and narrow band rejection filter (E) (L), AO 16: 1765
- Computer controlled cw laser spectrometer (E), AO 18: 1907
- Computer controlled cw visible-UV laser spectrometer (A), JOSA 68: 1357
- Conditions of pressure scanning of a Fabry-Perot interferometer over a wide spectrum range (TE), AO 16: 2119
- Cryogenic infrared grating spectrometer (E), AO 14: 1116
- Cylindrical and spherical gratings (T), JOSA 64: 654
- Deconvolution of instrumental response for asymmetric spectral lines (T) (L), JOSA 69: 482
- Delay compensation: its effect in reducing sampling errors in Fourier spectroscopy (T), AO 18: 68
- Designing the multiple-channel Ebert-type spectrometer with a flat image plane (A), JOSA 69: 1439
- Detection and Spectrometry of Faint Light. By John Meaburn (B), Reviewed by Hunter, W. R., AO 16: 1455
- Determination of pollutant altitude profiles with a laser absorption spectrometer (A), JOSA 64: 541
- Diode laser spectra with simultaneous frequency calibration (E) (L), AO 17: 2674
- Doppler-limited molecular spectroscopy by difference-frequency mixing (E), JOSA 64: 1683
- Doppler shift spectrometer for measurement of particle size distributions (A), JOSA 67: 258
- Double-beam high resolution Fourier spectrometer for the far infrared (E), AO 14: 1987
- Efficiency of spectrometers (T), AO 18: 3953

- Electronic organization of data from an absorption spectrometer (P), AO 14: A77
- Experiments with a diode laser spectrometer (A), JOSA 69: 1480
- Extreme ultraviolet spectrometer for space research (E), AO 13: 575
- Extreme UV spectroheliometer on the Apollo telescope mount (E), AO 16: 837
- Fabrication and performance of the Berkeley extreme-ultraviolet stellar spectrometer (A), JOSA 68: 1430
- Fabry-Perot interference spectrometer (P), AO 18: 748
- Fabry-Perot recycling spectrometer (E), AO 15: 1850
- Far-infrared high-resolution Fourier transform spectrometer: applications to  $\text{H}_2\text{O}$ ,  $\text{NH}_3$ , and  $\text{NO}_2$  lines (E), AO 15: 708
- Field-widened Michelson spectrometer with no moving parts (T) (L), AO 13: 233
- Field-widened Michelson spectrometer with no moving parts: comments (T) (L), AO 13: 2189
- Flexure hinge grating suspension (E) (L), AO 13: 734
- Foci of tandem Wadsworth spectrographs (T), JOSA 69: 165
- Fourier and Hadamard transform spectrometers: a limited comparison. Part 2 (T) (L), AO 16: 3071
- Fourier transform infrared spectrometers: their recent history, current status, and commercial future (R), AO 17: 1367
- Gas cell correlation spectrometer: GASPEC (ET), AO 14: 2896
- Grazing-incidence mirror system for use with a grating spectrometer in the extreme ultraviolet (ET), AO 13: 1216
- Grille spectrometers for the study of stratospheric nitrogen compounds (A), JOSA 64: 256
- Hadamard transform imager and imaging spectrometer (E), AO 15: 1595
- Heterodyne frequency measurements with a tunable diode laser- $\text{CO}_2$  laser spectrometer: spectroscopic reference frequencies in the 9.5- $\mu\text{m}$  band of carbonyl sulfide (E), AO 18: 3567
- High resolution Fabry-Perot spectrometer for infrared astronomy (E), AO 18: 641
- High resolution Fourier transform spectrometer (0.005  $\text{cm}^{-1}$ ) for the 0.6–100- $\mu\text{m}$  spectral range (E), AO 17: 1716
- High resolution infrared spectrometer in the 8–10- $\mu\text{m}$  range (E), AO 13: 1618
- High-resolution interferometer for atmospheric trace molecule spectroscopy (ATMOS) (A), JOSA 68: 1390
- High-resolution lamellar-grating Fourier-transform spectrometer for the submillimeter region (E), AO 17: 1709
- High resolution luminescence spectrometer. 2: Data treatment and corrected spectra (E), AO 13: 2899
- High-resolution methane  $\nu_3$ -band spectra using a stabilized tunable difference-frequency laser system, JOSA 66: 97
- High-resolution spectrometers and picosecond pulse spectroscopy (A), JOSA 66: 1073
- High resolution interference spectrometry with a high factor of merit in the visible spectrum (E), AO 18: 85
- History of far-infrared research. II. The grating era, 1925–1960 (R), JOSA 67: 865
- Holographic concave grating monochromator (P), AO 15: 585
- Imaging properties of holographic gratings (T), JOSA 67: 1021
- Improved Fourier interference spectrometer (N), AO 18: 2699
- Improving analysis from second-derivative UV-absorption spectrometry (TE), AO 17: 724
- Infrared diode laser double-beam spectrometer (E), AO 17: 3593
- Infrared gas-filter correlation instrument for in situ measurement of gaseous pollutant concentrations (ET), AO 15: 1222
- Infrared multidetector spectrometer for remote sensing of temperature profiles in the presence of clouds, AO 15: 2091
- Infrared spectrometer: liquid-helium-cooled rocketborne circular-variable filter (E), AO 14: 3086
- Instrumental functions of a 5-m echelle spectrometer with diffraction-limited resolving power (E), AO 16: 2708
- Iodine spectrometer for low-shifted light scattering (ET), JOSA 65: 22
- Laser optoacoustic spectroscopy: Detection of HCN and  $\text{NH}_3$  during reduction of NO over Pt catalysts (A), JOSA 66: 1079
- Linear pressure tuning of a multielement dye laser spectrometer (E), AO 13: 1625
- Luminous flux amplification in Fabry-Perot spectrometry (T), AO 17: 3930
- Luminous flux amplification in Fabry-Perot spectrometry: comment (T) (L), AO 18: 1475
- Luminous flux amplification in Fabry-Perot spectrometry: authors' reply to comment (T) (L), AO 18: 1476
- Microcomputer-controlled microwave-optical spectrometer (A), JOSA 69: 1408
- Modified technique for determining the wavelength-sensitivity curve of a spectrofluorimeter (E) (L), AO 14: 26
- Monochromator (P), AO 17: 327
- Multichannel Thomson scattering system for the tokamak TFR based on two-detector spectrum analyzers (E), AO 18: 4124
- Multiple order spectra in Fourier transform infrared spectroscopy (T), AO 16: 1905
- Multiplexed dispersive spectrometers using reduced background infrared detectors (T), AO 13: 2651
- Multiplexed dispersive spectrometers using reduced background infrared detectors. comment 2 (T) (L), AO 14: 810
- Multiplexed dispersive spectrometers using reduced background infrared detectors: comment 1 (T) (L), AO 14: 810
- New transfer standard for VUV spectral-radiance calibrations (A), JOSA 64: 1405
- On-line data reduction with a prism spectrometer (E), AO 14: 1373
- Photometric calibration of the EUV spectroheliometer on ATM (E), AO 16: 849
- Piezoelectric scanning of Fabry-Perot spectrometers: nonlinearities (TE), AO 17: 3088
- 4-Pi spectroradiometer (A), JOSA 66: 1124
- Polarization, Fourier spectrometer for astronomy (E), AO 13: 1147
- Polarization interference correlation spectrometer (P), AO 15: 583
- Polychromator with extreme rejection of stray light (E) (L), AO 13: 697
- Polychromator with extreme rejection of stray light (errata), AO 13: 1555
- Portable high-resolution laser monochromator-interferometer with multichannel electronic readout (E), AO 18: 4145
- Practical multi-spectrum Hadamard transform spectrometer (ET), AO 14: 2533
- Precision emittance measurement with an interferometer spectrometer (A), JOSA 64: 546
- Quantum efficiency and instrumental polarization of an optical monochromator (R), AO 13: 1965
- Ray tracing and throughput calculations for spectrometers (A), JOSA 69: 1456
- Refractive index fluctuations in IR laser absorption spectrometers (A), JOSA 68: 539
- Remote atmospheric sensing with an airborne laser absorption spectrometer (TE), AO 13: 5510
- Resonant optoacoustic cells for trace gas analysis (TE), JOSA 68: 1257
- Scintillation and multiwavelength coherence effects in a long-path laser absorption spectrometer (ET), AO 17: 277
- Self-scanned photodiode array: high performance operation in high dispersion astronomical spectrophotometry (E), AO 17: 574
- Sensitivity enhancement of a spin-flip Raman laser absorption spectrometer through use of an intracavity absorption cell (E), OL 1: 155
- Sensitivity limits of an infrared heterodyne spectrometer for astrophysical applications (T), AO 15: 427
- Sensitivity limits of an infrared heterodyne spectrometer for astrophysical applications (errata), AO 16: 2793
- Signal-to-noise ratio in Fourier spectroscopy (T), AO 16: 3103
- Signal-to-noise ratios of multiplexing spectrometers in high backgrounds (T) (L), AO 17: 684
- Silicon vidicon spectrometry and its infrared capabilities for solar research (E), AO 15: 2884
- Simple derivative optical spectrometer (E), AO 14: 2687



Simple fast-scanning Fabry-Perot spectrometer (E), AO 18: 545  
 Skylab S191 visible-infrared spectrometer (E), AO 16: 967  
 Slitless optical-fiber laser Raman spectrometer (A), JOSA 64: 1368  
 Soft-x-ray grazing-incidence grating spectrometer (A), JOSA 64: 538  
 Solar energy collector and concentrator (P), AO 18: 3521  
 Special situations in public lighting, AO 16: 1408  
 Spectrometer calibration facility at NBS-SURF (A), JOSA 67: 1412  
 Spectrometer for the far infrared (P), AO 15: 2608  
 Spectrometers (P), AO 14: 1756  
 Spectrometers working on the same extensive continuum source: an estimation of the relative performances of eight instruments (T), AO 14: 2521  
 Spectrometric apparatus (P), AO 14: 2038  
 Spectrophotometer for use as a split beam and dual wave-length measurements (P), AO 14: 2038  
 Spectroscope: By K. I. Tarasov (B), Reviewed by Leopold, Lutz, AO 14: 2310  
 Spectroscope. By K. I. Tarasov (B), Reviewed by Paul, F. W., JOSA 65: 746  
 Synchrotron radiation as a known source for spectrometer calibrations (A), JOSA 64: 545  
 Tables of Wavenumbers for the Calibration of Infrared Spectrometers. By A. R. H. Cole (B), Reviewed by Williams, Dudley, JOSA 68: 144  
 Theoretical comparison of singly multiplexed Hadamard transform spectrometers and scanning spectrometers (T), AO 13: 2662  
 Time multiplexed spectrometer for time-resolved spectroscopy and optical fiber measurements (A), JOSA 69: 1462  
 Time resolved spectrometer (P), AO 13: 1A26  
 Transformation de Fourier de  $\text{CH}_3\text{Br}$  et  $\text{CH}_3\text{Cl}$  dans l'infrarouge tres lointain (E), AO 13: 1158  
 Triple grating polychromator for Thomson scattering (TE), AO 16: 587  
 Tunable diode laser spectroscopy in the infrared: some practical considerations of techniques and calibration with  $\nu_2$  lines of HCN (E), AO 18: 1350  
 Two asymmetric Hadamard transform spectrometers (ET), AO 13: 2669  
 Ultra-high-resolution  $15\ \mu\text{m}$   $\text{CO}_2$  spectroscopy using a tunable-diode-laser spectrometer (A), JOSA 64: 1388  
 Ultraviolet polarimeter to record resonance-line polarization in the solar spectrum around  $130\text{--}150\ \text{nm}$  (E), AO 15: 1188  
 Use of the AFCRL line parameters compilation to test the performance of an infrared spectrometer system (E), AO 16: 2116  
 Variable magnification spectrometer (E), AO 13: 1621  
 Very high sensitivity diode laser spectrometer (A), JOSA 68: 637  
 Wavelength calibration of a prism monochromator (ET) (L), AO 16: 2791  
 Wide band grating spectrometer (P), AO 17: 2262  
 Zeeman effect absorption spectrometer (P), AO 14: 2038  
 Zeeman effect absorption spectrometer to detect Hg (P), AO 15: 1347

## Spectrometers, Fourier transform

Astronomical Fourier spectrometer (E), AO 14: 2038  
 FMS used as a toxic-gas analyzer (A), JOSA 64: 1363  
 High-performance diffuse-reflectance spectroscopy from  $2$  to  $18\ \mu\text{m}$  (A), JOSA 64: 1367  
 Infrared Fourier spectrometer for laboratory use and for astronomical studies from aircraft and ground-based telescopes (E), AO 14: 2085  
 Kinetics of multicomponent reactions using an FTS system (A), JOSA 64: 1363  
 New Digilab FTS-IR spectrometer (A), JOSA 64: 1367  
 New FMS systems description and applications (A), JOSA 64: 1367  
 Recent developments in commercial Fourier transform systems for the mid-infrared (A), JOSA 64: 1367

## Spectrometers, Hadamard

Color-film spectral sensitivities by Hadamard spectroscopy (T), JOSA 66: 1355

Hadamard-transform spectrometry of the atmospheres of earth and Jupiter (E), AO 13: 2233

## Spectrophones

See also Acoustooptics  
 Application of pulsed-source spectrophone to absorption by methane at DF laser wavelengths (E) (L), AO 15: 2970  
 Carbon dioxide and water vapor absorption measurements using a  $\text{CO}_2$  laser and differential spectrophone (A), JOSA 66: 1072  
 Laser optoacoustic absorption spectra for various explosive vapors (E), AO 17: 2097  
 Measurement of small absorptions in liquids (E), OL 4: 81  
 Optical absorptions of light and heavy water by laser optoacoustic spectroscopy (ET,R), AO 18: 3348  
 Optical properties of cigarette smoke aerosols (E) (L), AO 17: 3030  
 Photoacoustic air pollution detector at  $\text{CO}_2$  laser frequencies (ET), AO 18: 2938  
 Photoacoustic spectroscopy of  $\text{NH}_3$  at the  $9\text{--}\mu\text{m}$  and  $10\text{--}\mu\text{m}$   $^{12}\text{C}^{16}\text{O}_2$  laser wavelengths (E), AO 17: 3746  
 Spectrophone for *in situ* measurement of gaseous/particulate absorption (A), JOSA 66: 1071  
 Spectrophone measurements of infrared laser energy absorption by atmospheric dust (A), JOSA 66: 1088  
 Spectrophone measurements of infrared laser energy absorption by atmospheric dust (E), AO 15: 2546  
 Spectrophone measurements of isotopes of water vapor and nitric oxide and of phosgene at selected wavelengths in the  $\text{CO}$  and  $\text{CO}_2$  laser region (E), OL 2: 67  
 Subtle source of contamination in spectrophones (E) (L), AO 15: 2974

## Spectrophotometers

See also Spectrometers  
 Accuracy in Spectrophotometry and Luminescence Measurements, Proceedings of the Conference Held at the National Bureau of Standards, Gaithersburg, Maryland, March 22-24, 1972. Edited by R. Mavrodineanu, J. I. Shultz, and O. Menis (B), Reviewed by Costa, Larry, JOSA 68: 552  
 Adaptive control improves scanning spectrophotometers (T) (L), AO 15: 1901  
 Color measuring spectrophotometer (P), AO 18: 3892  
 Comparative performance of color-measuring instruments: second report (E), AO 13: 1510  
 Comparative performance of color-measuring instruments: second report, comments (E) (L), AO 14: 265  
 Comparative performance of color-measuring instruments: second report; reply to comments (E) (L), AO 14: 265  
 Computer Programs for Infrared Spectrophotometry. Edited by R. Norman Jones *et al.* (B), Reviewed by Priest, Richard G., AO 17: 3856  
 Construction, calibration, and application of a compact spectrophotometer for EUV ( $300\text{--}2500\text{-\AA}$ ) plasma diagnostics (E), AO 18: 1209  
 Dichroic microspectrophotometer: a computer-assisted, rapid, wavelength-scanning photometer for measuring linear dichroism in single cells (E), JOSA 64: 903  
 Double beam fluorescence spectrophotometer: design and typical applications (E), AO 14: 2921  
 Double beam spectrophotometer (P), AO 13: 1976  
 Fluorescence spectrophotometer (P), AO 18: 751  
 Infrared circular dichroism and linear dichroism spectrophotometer (E), AO 14: 454  
 Laser spectrophotometer for measuring differential cross sections of biological particles (E), AO 15: 672  
 Mobile spectrophotometer for art curators and biologists (A), JOSA 65: 1174  
 NBS specular reflectometer-spectrophotometer (A), JOSA 69: 1427  
 Null balance triple beam spectrophotometer (P), AO 13: 1A26  
 Optical design of an infrared spectrophotometer (A), JOSA 69: 1427

Polycrystalline silicon film thickness measurement from analysis of visible reflectance spectra (TE), JOSA 69: 1143  
 Rapid scanning microspectrophotometer and its use in measuring rhodopsin photoproduct pathways and kinetics in frog retinas (E), JOSA 68: 937  
 Rapid scan spectrophotometer (P), AO 18: 748  
 Simple variable-angle ATR spectrophotometer accessory (E) (L), AO 13: 2479  
 Simplified recording microspectrophotometer (E), AO 14: 771  
 Specific wavelength colorimeter (P), AO 15: 830  
 Spectrometer using a silicon photocell and a conventional phototube (P), AO 18: 748  
 Spectrophotometer for the investigation of short term variability in stellar spectra (E), AO 17: 1811  
 Spectrophotometers for the measurement of light in polar ice and snow (E), AO 13: 1652  
 Standardization in Spectrophotometry and Luminescence Measurements, Proceedings of a Workshop Seminar Held at the National Bureau of Standards, Gaithersburg, Maryland, November 19-20, 1975. Edited by K. D. Mielenz, R. A. Velapoldi, and R. Mavrodineanu (B), Reviewed by Harrington, David, JOSA 68: 553  
 Stray light, study project Sira Institute (N), AO 14: 184  
 Textile color analyzer calibration (P), AO 17: 1474  
 Three-wavelength pyrometer for measuring flame temperatures (E), AO 18: 2595  
 Ultraviolet spectrophotometer for measuring columnar atmospheric ozone from aircraft (ET), AO 17: 1649  
 Ultraviolet three-channel photographic photometer: the S183 experiment (E), AO 16: 961  
 Using a spectrophotometer film (N), AO 17: 3237  
 Wavelength deviation sensing detector (E) (L), AO 15: 862

## Spectrophotometry

See also Spectrophotometers  
 Averaging spheres without target (E), AO 14: 1649  
 Color-measurement instrumentation (E), AO 13: 1519  
 Determination of polarization in optical instruments and its metrological implications (ET), AO 13: 2228  
 Formation of a spectrophotometry applications group by Council for Optical Radiation Measurements (N), AO 14: 2437  
 International comparison of measurements of luminance factor and reflectance of white diffusing samples (E), AO 14: 2694  
 Luminescence of turbid materials: a theoretical model and its comparison with experiment (ET), AO 15: 934  
 Rigorous diffraction theory for transmission phase gratings with deep rectangular grooves, JOSA 68: 1206  
 Spectrophotometry of the solar UV line spectrum with the NRL spectrograph on board Skylab (A), JOSA 64: 1375  
 Theoretical chromaticity-mismatch limits of metamers viewed under different illuminants (T), JOSA 65: 327  
 Zur mathematischen Analyse von Oszillogrammen der kinetischen Absorptionsspektrophotometrie (T), AO 14: 1013

## Spectroscopy

See also specific branch and element, Spectra  
 Abel inversion applied to plasma spectroscopy: a new interactive method (T), AO 17: 3750  
 Aberration balancing for grating mountings with large aberrations (T), JOSA 68: 38  
 Absolute radiometric measurements of the emission from a BRV source at  $34\ \text{nm}$  (E) (L), AO 16: 1786  
 Absorption of DF laser radiation by propane and butane (E) (L), AO 15: 1114  
 Absorption spectroscopy of scattering samples using integrated optics (A), JOSA 66: 291  
 Absorption spectroscopy stack monitor (P), AO 13: 1A26  
 AFGL trace gas compilation (TE) (L), AO 17: 507  
 Alter, David, and other spectroscopists in Western Pennsylvania, AO 15: 1722



- Analytical Emission Spectroscopy: Fundamentals.** By Jozsef Mika and Tibor Torok. Translated by Laszlo Nemes; English translation edited by P. A. Floyd (B), Reviewed by Mavrodineanu, Radu, JOSA 64: 1726
- Application of a microcomputer to optical spectroscopy (A),** JOSA 67: 1420
- Application of a microcomputer to optical spectroscopy (E),** AO 17: 2981
- Application of integrated optics to chemical spectroscopy (A),** JOSA 66: 291
- Application of pressure scanning to the tuning of a high resolution dye laser (E),** AO 13: 2095
- Application of pulsed-source spectrophone to absorption by methane at DF laser wavelengths (E) (L),** AO 15: 2970
- Application of saturation spectroscopy to the measurement of  $C_2$ ,  $^{21}H_2$  concentrations in oxy-acetylene flames (ET),** AO 16: 1897
- Applications of coherent transient techniques to two-photon spectroscopy (A),** JOSA 68: 646
- Applications of optical mixing spectroscopy to problems in medicine and biology (A),** JOSA 65: 1162
- Applied Spectroscopy Reviews, Volume 6.** Edited by Edward G. Brame, Jr. (B), Reviewed by Trabjerg, Ib, AO 13: 686
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- Assignment of absorption lines by Doppler-free polarization spectroscopy (A),** JOSA 68: 625
- Atmospheric spectroscopy: an introduction (M),** Reported by Hernandez, G.; Mankin, William G., AO 18: 3375
- Atmospheric spectroscopy OSA topical meeting, Keystone, Colorado, 30 Aug-1 Sep 1978 (M),** Reported by Warga, Mary E., JOSA 68: 1791
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- Atomic Absorption and Fluorescence Spectroscopy.** By G. F. Kirkbright and M. Sargent (B), Reviewed by Schrenk, W. G., JOSA 65: 1157
- Atomic spectroscopy, 4th international conference, and 20th Canadian spectroscopy symposium, Toronto, 29 Oct-2 Nov 1973 (M),** Reported by Winefordner, J. D., AO 13: 225
- Atoms and Molecules in Electric Fields.** By Nils Ryde (B), Reviewed by Lochte-Holtgreven, W., AO 16: 1775
- Aurorally enhanced infrared emissions (E),** AO 18: 3394
- Australian spectroscopy conference, 9th, Canberra, 13-17 Aug 1973 (M),** Reported by Walsh, A., AO 13: 703
- Australian spectroscopy conference, eleventh, Brisbane, 28 Aug-1 Sep 1978 (M),** Reported by Steinfeld, Jeffrey I., AO 17: 3711
- Automatic precision measurement of spectrograms (E),** AO 17: 2280
- Beam-splitter and cell-window errors in fluorescence spectrometry (ET),** AO 18: 4134
- Behavior of Felgett's advantage in multiplex spectroscopy (A),** JOSA 65: 1186
- Brewster angle optical Dewar: construction of an inexpensive model for cryogenic or simple liquids for laser Raman scattering experiments (E) (L),** AO 14: 2056
- Calculated enhancement for intracavity spectroscopy with a single-mode laser (A),** JOSA 69: 1430
- Calibrating the light pulse shape of a hydrogen flashlamp using synchrotron radiation as a standard of excitation (E),** AO 18: 1355
- Causality calculations in reflection spectroscopy (E),** JOSA 67: 1537
- Characteristics of the optical parametric oscillator and its use for selective excitation (E),** AO 13: 1060
- Coherent optical transient spectroscopy in flames (TE),** AO 18: 360
- Colloquium spectroscopicum internationale XVII, Florence, 16-22 Sep 1973 (M),** Reported by Plako, E., AO 13: 455
- Compact continuous HF microwave-discharge mixing laser (E),** JOSA 65: 876
- Compact far ultraviolet emission source with rich spectral emission 1150-3100 Å (E),** AO 16: 591
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- Convolution of a time-dependent driven excitation into the decay curve of an arbitrarily cascaded and blended level (T),** JOSA 64: 495
- Correction of Brillouin linewidths measured by multipass Fabry-Perot spectroscopy (TE),** AO 16: 1404
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- $3d^2-3d4f$  transitions in V IV (E) (errata),** JOSA 68: 1292
- Deconvolution of spectral lines by Fourier analysis (ET) (L),** AO 17: 3344
- Detectability limit and uncertainty considerations for laser induced fluorescence spectroscopy in flames (TE),** AO 17: 1610
- Detection of atmospheric pollutants: a correlation technique (ET),** AO 14: 1423
- Detection of single atoms and molecules by laser-induced selective multistep ionization (A),** JOSA 68: 657
- Determination of areas and temperatures from composite blackbody spectra (T),** JOSA 65: 559
- Deuterium lamp as a UV continuum source from 160 nm to 320 nm for space applications (E),** AO 18: 3938
- Diffuse reflectance spectroscopy: a comparison of the theories (T),** AO 14: 1380
- Diffusion constant measurements of macromolecules in solutions containing particulate components (E),** AO 14: 2129
- Direct frequency measurements to 100 THz (A),** JOSA 64: 1380
- Discrete absorptions and emissions in crop spectra (E) (L),** AO 17: 493
- Dispersive correlation spectroscopy: a study of mask optimization procedures (TE),** AO 16: 1609
- Doppler and collision-broadening effects in the profile of spectral lines (T),** JOSA 65: 949
- Doppler-free two-photon spectroscopy for monitoring stratospheric gases: an analysis (T),** AO 15: 2654
- Double heterostructure lead-salt lasers for high-resolution gas spectroscopy (A),** JOSA 66: 384
- Dynamics of Spectroscopic Transitions, Illustrated by Magnetic Resonance and Laser Effects.** By James D. Macomber (B), Reviewed by Judd, Brian R., AO 15: 2941
- Eastern analytical symposium, fifteenth, and twelfth national meeting of the Society for Applied Spectroscopy, New York City, 14-16 Nov 1973 (M),** Reported by Gordon, William A., AO 13: 992
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- Errors in Hadamard spectroscopy or imaging caused by imperfect masks (T),** AO 14: 2678
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- Fabry-Perot interferometer applied to optical derivative spectroscopy at low light levels (E) (L),** AO 13: 1746
- Fabry-Perot/monochromator system for enhancement of the spectral line-to-noise power ratio from line and continuum sources (T),** JOSA 65: 1427
- Far-infrared and submillimeter-wave spectroscopy (A),** JOSA 64: 533
- Far infrared transmission and reflection of Irtran 1 through Irtran 6 at low temperatures (E),** AO 13: 2716
- Far-infrared transmittance of Tb, Ho, Tm, Er, and Yb orthoferrite (E),** JOSA 65: 605
- Fast low-cost digital lock-in (E),** AO 16: 1163
- Fast scanning microspectroscopy: an electrodynamic moving-condenser method (E),** AO 15: 2554
- Federation of Analytical Chemistry and Spectroscopy Societies, first annual meeting, Atlantic City, 18-22 Nov 1974 (N),** AO 13: 1614
- Federation of Analytical Chemistry and Spectroscopy Societies, 1st meeting, Atlantic City, 18-22 Nov 1974 (M),** Reported by Griffiths, Peter R., AO 14: 256
- Field spectroscopy for multispectral remote sensing: an analytical approach (ET),** AO 13: 1487
- First ionization potentials of lanthanides by laser spectroscopy (E),** JOSA 68: 52
- Fisheye field spectrograph (ET),** AO 17: 3076
- Fluorescence of short wavelength cutoff filters (E) (L),** AO 18: 952
- Fourier and Hadamard transform spectrometers: a limited comparison (T),** AO 15: 2664
- Fourier-transform spectroscopy in astronomy (A),** JOSA 64: 1357 (four abstracts)
- Fundamental absorption edge in laser window CdTe (E),** AO 14: 2662
- Furnace temperature profiles: measurement by spectroscopic methods (TE),** AO 14: 2707
- Gas discharge response to light: dependence of linearity on space charge for optogalvanic and excited-state photoionization signals (ET),** AO 18: 3513
- Generation of tunable continuous-wave ultraviolet radiation from 257 to 320 nm (E),** OL 1: 58
- Hadamard filter design (P),** AO 17: 326
- Hadamard-transform spectrometry of the atmospheres of earth and Jupiter (E),** AO 13: 2233
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- Helmholtz resonance effect in photoacoustic cells (E),** AO 18: 1784
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- High-performance diffuse-reflectance spectroscopy from 2 to 18  $\mu$ m (A),** JOSA 64: 1367
- High resolution luminescence spectrometer. 2: Data treatment and corrected spectra (E),** AO 13: 2899
- High-resolution molecular-beam spectroscopy (A),** JOSA 64: 529
- High-resolution spectrometers and picosecond pulse spectroscopy (A),** JOSA 66: 1073
- High-resolution stark spectroscopy in the  $\nu_4$  band of  $NH_3$  using a thin-film diode laser (E),** AO 13: 1431



- High-resolution two-photon spectroscopy of atoms and molecules (A), JOSA 65: 1172
- Hollow cathode discharge devices (N), AO 13: 2711
- Holographically formed gratings for x-ray spectroscopy (A), JOSA 65: 1214
- Homodyne electrophoretic light scattering of polystyrene spheres by laser cross-beam intensity correlation (E), AO 14: 740
- Imaging spectroscopic method and apparatus (P), AO 14: 2038
- Impact of lasers in spectroscopy seminar SPIE, San Diego, 19-23 Aug 1974 (M), Reported by Steinfeld, Jeffrey L., AO 14: 6
- Improving analysis from second-derivative UV-absorption spectrometry (TE), AO 17: 724
- Improving the accuracy of Jarrell-Ash microphotometers (E), AO 13: 2236
- 1978 indexes to EPA/NIH mass spectral data base and volumes I-IV (N), AO 18: 2040
- Infrared upconversion for astronomical applications (TE), AO 15: 961
- Instant spectroscopy in the visible, ultraviolet, and vacuum ultraviolet with Polaroid film (E) (L), AO 14: 2821
- Instrumental profile of a triple Fabry-Perot interferometer for use in solar spectroscopy (T), AO 17: 415
- Instrumentation for pulsed-laser spectroscopy (A), JOSA 66: 387
- Interference suppression in HO fluorescence detection (E) (L), AO 18: 3216
- Interferometric observations of Ar I in the photographic region (ET), JOSA 64: 1072
- Intermodulated fluorescence spectroscopy of free radicals with a stabilized dye laser (A), JOSA 68: 626
- Intracavity dye laser spectroscopy as a gain probing technique (E), AO 15: 2372
- Isotope shift of 47-day  $^{203}\text{Hg}$  (T), JOSA 65: 1
- Lamb, Willis E., Jr., a Festschrift on the Occasion of his 65th Birthday. Edited by D. Ter Haar and M. O. Scully (B), Reviewed by Rothstein, Jerome, AO 18: 1889
- Large cortically evoked potentials elicited by dynamic random-dot stereograms and correlograms (A), JOSA 68: 1420
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- Laser isotope separation (A), JOSA 65: 1173
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- Laser wavelength comparison by high-resolution interferometry (A), JOSA 64: 1387
- Line parameters determined by spectral curve fitting (A), JOSA 67: 1442
- Line shifts due to blending (T), JOSA 68: 246
- Line-width and tuning effects in resonant excitation (T), JOSA 65: 33
- Lorentz broadening in the modeling of the HF chemical laser (R), AO 16: 2297
- Low-temperature multiple reflection absorption cell (A), JOSA 66: 390
- Luminous flux amplification in Fabry-Perot spectrometry (T), AO 17: 3930
- Lummer-Gehrcke interferometer modified for the spectroscopy of thin dielectric films (ET), AO 15: 2730
- Magnetic-field quantum beats in two-photon free-induction decay (E), OL 3: 172
- Measurement of natural line shape of  $I_2$  hyperfine transitions (A), JOSA 64: 1387
- Measurement of small absorptions in liquids (E), OL 4: 81
- Measurement of the fundamental vibration-rotation spectrum of ClO (E) (L), AO 16: 523
- Measurement of the velocity of blood flow (in vivo) using a fiber optic catheter and optical mixing spectroscopy (E), AO 14: 189
- Measurement of weak IR absorption with a tunable laser: the hydrogen  $S_2(1)$  line strength (E), AO 14: 1993
- Metal-vapor oven with  $2\pi$  radians optical access (A), JOSA 69: 1427
- Methode d'échantillonnage des fonctions déterministes en spectroscopie: application a un spectrometre multicanal par comptage photonique (T), AO 13: 581
- Methode d'échantillonnage des fonctions déterministes en spectroscopie: application a un spectrometre multicanal par comptage photonique (errata), AO 13: 1739
- Microwave Spectroscopy of Free Radicals. By Alan Carrington (B), Reviewed by Johnson, Donald R., AO 15: 286
- Moderate resolution VUV rocket spectrograph (E), AO 13: 193
- Modified-triggered photocounting and its application to optical superheterodyne spectrum analysis (T), AO 18: 3962
- Moessbauer Spectroscopy. Edited by U. Gonser (B), Reviewed by Hanna, Stanley S., AO 16: 536
- Molecular Energy Transfer. R. D. Levine and J. Jortner, Editors (B), Reviewed by Ham, David O., JOSA 67: 982
- Molecular iodine frequency markers for dye-laser spectroscopy (A), JOSA 64: 1380
- Multiphoton absorption in the presence of two finite-bandwidth lasers (T), OL 1: 211
- Multiple-scanning photoelectric detection system for high-resolution spectroscopy (A), JOSA 66: 1124
- Multiple traversal absorption cell of minimum volume: design (T), AO 15: 921
- Nanosecond time-resolved spectroscopy with a pulsed tunable dye laser and single photon time correlation (E), AO 16: 1432
- New continua for absorption spectroscopy from 40 to 2000 Å (E), OL 2: 72
- N.M.R. and Chemistry: An Introduction to Nuclear Magnetic Resonance Spectroscopy. By J. W. Akitt (B), Reviewed by Regan, Thomas H., JOSA 64: 254
- NO line parameters measured by CO laser transmittance (E) (L), AO 15: 1686
- Nonlinear Laser Spectroscopy. By V. S. Letokhov and V. P. Chebotayev (B), Reviewed by Hirschfeld, Tomas, JOSA 67: 1132
- Off-plane stigmatic imaging with spherical concave gratings: experimental verification (E) (L), AO 16: 288
- Optical collisions in an intense laser field (TE), OL 2: 36
- Optical Methods of Radio-Frequency Spectroscopy. By Ion I. Agarbiceanu and Ion M. Popescu (B), Reviewed by Bloom, Arnold L., JOSA 66: 504
- Optical Resonance and Two-Level Atoms. By L. Allen and J. H. Eberly (B), Reviewed by Menegozzi, Lionel N., JOSA 65: 1388
- Optical superheterodyne spectrum analyzer with a triggered photon counting method (T) (L), AO 18: 2094
- Optimal optoacoustic detector design (TR), AO 14: 1960
- Optimization of resonant cell design for optoacoustic gas spectroscopy (H-type) (ET), AO 17: 1110
- Opto-galvanic system (P), AO 18: A214
- Paraxial analysis of light scattering by biological cells in a flow system (TE), AO 17: 3205
- Path differencing: an improvement to multipass absorption cell measurements (E) (L), AO 15: 16
- Penning discharge as a photoelectric EUV spectroscopy source (E), AO 16: 1902
- Photoacoustic cell design: resonant enhancement and background signals (L), AO 16: 2630
- Photoacoustic spectroscopy: a measurement technique for low absorption coefficients (A), JOSA 67: 252
- Photoacoustic spectroscopy: a measurement technique for low absorption coefficients (T), AO 16: 2834
- Photoacoustic spectroscopy with condensed samples (E), AO 15: 2658
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- Photon trapping and energy transfer in multiple-dye plastic matrices: an efficient solar-energy concentrator (E), OL 1: 73
- Picosecond spectroscopy in biology and medicine (A), JOSA 68: 1382
- Picosecond time-resolved spectroscopy in semiconductors (A), JOSA 66: 1082
- Piezoelectric detection of photoacoustic signals (E), AO 17: 1093
- Pittsburgh conference on analytical chemistry and applied spectroscopy, Cleveland, 4-8 Mar 1974 (M), Reported by Warga, Mary E., JOSA 64: 1028
- Plasma diagnostics by spectroscopic means (A), JOSA 66: 1060
- Polarization sensitive nonlinear spectroscopy with a Faraday rotator (A), JOSA 69: 1476
- Principles of Interferometric Spectroscopy. By John Chamberlain; Edited by G. W. Chantry and N. W. B. Stone (B), Reviewed by Griffiths, Peter R., AO 18: 4084
- Probe saturation in saturation grating spectroscopy (A), JOSA 66: 1126
- Pulsed dye laser applied to modulated spectroscopy magnetic circular dichroism (E), AO 15: 1158
- Pulsed dye laser densitometry using an optical delay (E) (L), AO 16: 1132
- Pulsed resonance spectroscopy applied to turbulent combustion flows (TE), AO 15: 955
- Quantitative detection of atomic absorption by intracavity dye-laser quenching (E), AO 16: 403
- Quantum beats in transmission by time-resolved polarization spectroscopy (A), JOSA 68: 1637
- Quasi-elastic light scattering from structured particles (TE), AO 16: 187
- Radiationless Processes in Molecules and Condensed Phases, Topics in Applied Physics, Volume 15. Edited by F. K. Fong (B), Reviewed by Knox, Robert S., JOSA 67: 986
- Radiative spectral transfer in ruby (E), OL 1: 90
- Recognition of objects observed from the air by comparing spectral reflections against a preinterpreted spectral signature (P), AO 14: A78
- Reconstruction of spherically symmetric objects from slit-imaged emission: application to spatially resolved spectroscopy (TE), OL 3: 54
- Reflectance spectroscopy: application of the Kubelka-Munk theory to the rates of photoprocesses of powders (T), AO 15: 951
- Reflection spectroscopy of optical coatings (TE), JOSA 69: 264
- Refraction correction for fluorescence spectra of aqueous solutions (E) (L), AO 17: 2875
- Relation for energy levels of atoms and ions (L), JOSA 65: 1382
- Resolution and stray light in near infrared spectroscopy (E), AO 14: 1977
- Resonant photoacoustic cells constructed from UHV hardware (E) (L), AO 17: 3348
- Rotational redistribution effect on saturated laser-induced fluorescence (T) (L), AO 18: 2093
- Rotational-translational models for interpretation of quasi-elastic light scattering spectra of motile bacteria (TE), AO 17: 3197
- Ruled gratings and wavelength tables (R), AO 15: 1744
- Rutherford, Lewis Morris, 1816-1892, AO 15: 1731
- Saturated absorption spectroscopy with frequency-controlled lasers (A), JOSA 64: 1380
- Saturated-interference spectroscopy (E), OL 2: 112
- Saturation effects in laser induced fluorescence spectroscopy (T), AO 16: 568
- Saturation of fluorescence in flames with a Gaussian laser beam (T), AO 17: 225
- Scanning and restoration of spectral data in the presence of noise (T), JOSA 64: 335
- Scattered light effects in photoacoustic spectroscopy (E) (L), AO 15: 2967



- Selective, laser one-atom detection of neutral prompt fission fragments (A), JOSA 68: 657
- Self-scanned photodiode array: high performance operation in high dispersion astronomical spectrophotometry (E), AO 17: 574
- Site selective spectra of Zn porphyrin in triphenylene (A), JOSA 65: 1164
- Small absorption coefficient measurement by calorimetric and spectral emittance techniques (E) (L), AO 13: 1741
- Solid-state laser wavelength identification using a reference absorber (E) (L), AO 16: 2615
- Solid State: X-ray Spectroscopy. By L. Jacob (B), Reviewed by Birks, L. S., JOSA 65: 969
- Spectral emission of corona discharges (E), AO 15: 76
- Spectral interval, photoelectric effect, and variance (T) (L), AO 13: 1740
- Spectral Line Broadening By Plasmas. By Hans R. Griem (B), Reviewed by Duffy, James W., AO 15: 2605
- Spectral-line profiles and wavelength measurements using the beam-foil light source (TE), JOSA 65: 1376
- Spectral-line profiles and wavelength measurements using the beam-foil light source (errata), JOSA 66: 511
- Spectral line selection of carbon monoxide lasers (ET), AO 13: 2812
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- Spectroscopic and fluorescence methods used for the study of eye disorders (A), JOSA 65: 1162
- Spectroscopic diagnostics of the solar plasma (A), JOSA 66: 1060
- Spectroscopic Methods of Identification of Microquantities of Organic Materials. By G. M. Ayling (B), Reviewed by Cohen, Alex, AO 15: 562
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- Spectroscopy using resonant oscillations in coherently excited states (A), JOSA 65: 1163
- Spectroscopy with modulation sidebands (A), JOSA 64: 1388
- Spin-lattice relaxation in the excited  $^4S_{3/2}$  state of  $\text{Er}^{3+}$  in  $\text{LaF}_3$  (E), OL 3: 175
- Stark-induced optical transients in ruby (E), OL 2: 10
- Statistical Mechanics and Spectroscopy. By G. Allen and H. O. Pritchard (B), Reviewed by Green, J. H. S., AO 15: 561
- Submillimeter spectroscopy of TO-phonon mode softening in  $\text{PbTe}$  (E), JOSA 67: 943
- Submillimeter-wave atmospheric and astrophysical spectroscopy (R), AO 14: 470
- Submillimeter wave resonance spectroscopy (A), JOSA 64: 533
- Submillimeter wave spectroscopy of the atmosphere (R), JOSA 67: 880
- Surface, guided, and interference EM waves in attenuated internal reflection (AIR) prism spectroscopy (A), JOSA 67: 253
- Symmetry Principles and Atomic Spectroscopy. By Brian G. Wybourne (B), Reviewed by Titz, Milos, AO 13: 212
- Synthetic-aperture radar and multiplex spectroscopy (T) (L), JOSA 64: 402
- Synthetic-aperture radar and multiplex spectroscopy (L), JOSA 64: 1343
- Systematic errors in Hadamard transform optics (TE), AO 17: 2991
- Table of Laser Lines in Gases and Vapors; 2nd Edition. By R. Beck, W. Englisch, and K. Gurs (B), Reviewed by Steinfeld, Jeffrey I., AO 17: 3854
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- Technique and Practice of Spectroscopy. By A. N. Zaidel, G. V. Ostrovskaya and Yu. I. Ostrovskii (B), Reviewed by Vinogradov, Serge N., AO 13: 2A18
- Temperature dependence of multiphonon absorption in zinc selenide (ET), AO 16: 2891
- Temperature measurements of the hydroxyl radical and molecular nitrogen in premixed, laminar flames by laser techniques (E), AO 18: 2100
- Temperature of the Meggers-Corliss-Scribner copper arc (ET), JOSA 65: 315
- Theoretical comparison of singly multiplexed Hadamard transform spectrometers and scanning spectrometers (T), AO 13: 2662
- Thermotransmission measurements on self-supporting metal films (E), OL 1: 217
- Time-dependent physical spectra, a movie (A), JOSA 68: 1405
- Time-dependent spectra (T) (L), JOSA 69: 1043
- Total reduction of distorted echelle spectrograms: an automatic procedure (ET), AO 14: 2527
- Trace Analysis: Spectroscopic Methods for Elements. Edited by J. D. Winefordner (B), Reviewed by Epstein, Michael, AO 16: 9
- Triple grating polychromator for Thomson scattering (TE), AO 16: 587
- Tunable laser line filter polychromator for gas temperature measurements (A), JOSA 66: 1072
- Two-component model of an atomic-beam light source (ET), JOSA 64: 884
- Two-photon absorption spectroscopy using nonlinear laser calorimetry (A), JOSA 68: 1397
- Ultra-high-resolution  $15\ \mu\text{m}$   $\text{CO}_2$  spectroscopy using a tunable-diode-laser spectrometer (A), JOSA 64: 1388
- Unified treatment of perturbed series, continuous spectra and collisions (T), JOSA 65: 979
- Update of the AFGL atmospheric absorption line parameters compilation (TE) (L), AO 17: 3517
- Vacuum-ultraviolet generation and spectroscopy (A), JOSA 65: 1172
- Variable magnification spectrometer (E), AO 13: 1621
- Very long optical paths in air (E), JOSA 66: 411
- Vibrational Spectra and Structure, Volume 3. Edited by James R. Durig (B), Reviewed by Tobin, Marvin C., JOSA 65: 1386
- Wavelength standards for use with a BRV source (E), AO 13: 2712
- X-Ray Spectroscopy. By B. K. Agarwal (B), Reviewed by Birks, L. S., AO 18: 3850
- Spectroscopy, atomic**
- See also individual elements, Spectra
- Ab initio* and experimental energy levels in the first spectrum of yttrium (A), JOSA 68: 1447
- Absolute oscillator strengths for neutral atomic uranium (E), JOSA 68: 1173
- Absorption of Mn I between 1305 and 2040 Å (E), JOSA 68: 1541
- Absorption spectra of Zn I and Cd I in the 1300–1750 region (E), JOSA 65: 1404
- Absorption spectroscopy using an opto-galvanic effect in plasmas (A), JOSA 67: 1417
- Absorption spectrum of Ag I between 1540 and 1850 Å (E), JOSA 67: 1323
- Absorption spectrum of Au I between 1300 and 1900 Å (E), JOSA 68: 243
- Absorption spectrum of Ba I between 1770 and 1560 Å (TE), JOSA 68: 817
- Absorption spectrum of Ba II in the vacuum ultraviolet (E), JOSA 66: 1400
- Absorption spectrum of fluorine F I observed with the helium continuum (E), JOSA 68: 1564
- Absorption spectrum of Ge I between 1500 and 1900 Å (E), JOSA 67: 584
- Absorption spectrum of krypton in the vacuum UV region (E), JOSA 69: 159
- Absorption spectrum of Pb I between 1350 and 2041 Å (E), JOSA 67: 1240
- Absorption spectrum of Sn I between 1580 and 2040 Å (E), JOSA 67: 607
- Accurate ionization potentials of lanthanide atoms by laser spectroscopy (A), JOSA 67: 1418
- Addition to the beam-foil study of S VII in the vacuum ultraviolet (E) (L), JOSA 69: 916
- Analysis of  $4d^9\text{-}4d^8\ 5p$  transitions in Sb VII and Te VIII and the ionization limits of Sb VI and Te VII (E), JOSA 69: 132
- Analysis of 4-ionized vanadium (V v) (E), JOSA 67: 476
- Analysis of 4-ionized vanadium (V v) (E) (errata), JOSA 67: 1135
- Analysis of lanthanide atomic spectra: present state and trends (T), JOSA 68: 197
- Analysis of resonant Voigt effect (TE), JOSA 69: 781
- Analysis of the configurations  $5d^96s^2$  in Pt I through Hg III and  $5d^96p$  in Pt I through Bi VI (T), JOSA 65: 1371
- Analysis of the effect of foreign gases in the filtering action of a  $^{85}\text{Rb}$  cell (TE), JOSA 68: 1087
- Analysis of the fourth spectrum of terbium (Tb IV) (ET), JOSA 66: 436
- Analysis of the hyperfine structure of the mercury  $6^3\text{D}_3$  yields  $6^3\text{F}_2$  transition (E), JOSA 65: 1413
- Analysis of the spectrum of four-times-ionized lutetium (Lu v) (TE), JOSA 68: 1529
- Angular momentum dependence of laser-induced birefringence and dichroism in atomic resonance lines (T), JOSA 68: 1184
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- Applied Atomic Spectroscopy. Edited by E. L. Grove (B), Reviewed by McDaniel, Earl W., AO 17: 3856
- Argon lines from electrodeless mercury-198 lamps (E) (L), AO 17: 506
- Assignment of unclassified lines in Tb I through high-resolution laser-fluorescence measurements of hyperfine structure (E), JOSA 69: 815
- Atomic and Ionic Emission Lines Below 2000 Angstroms; Hydrogen Through Krypton, By R. L. Kelly and L. J. Palumbo (B), Reviewed by Howard, John N., AO 16: A11
- Atomic and Laser Spectroscopy. By A. Corney (B), Reviewed by Shoemaker, Richard L., AO 17: 1479
- Atomic and Laser Spectroscopy. By Alan Corney (B), Reviewed by Pritchard, David E., JOSA 68: 1286
- Atomic and molecular emission from microwave discharge through beryllium chloride (E), JOSA 65: 318
- Atomic and Molecular Science and Technology Symposium, National Bureau of Standards, 7–8 Sep 1978 (M), Reported by Lide, David R., Jr., AO 18: 2
- Atomic Energy-Level and Grotian Diagrams. By Stanley Bashkin and John O. Stoner, Jr. (B), Reviewed by Hagan, Lucy, JOSA 69: 1732



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- Atomic-state densities of Ne I levels and  $N_f$  values of Br II levels in Ne-Br<sub>2</sub> mixtures (E), JOSA 68: 259
- Beam-foil mean-life measurements in krypton (E), JOSA 66: 1396
- Beam-foil measurements of the oscillator strength of the resonance doublet in the seven-times ionized noble gases (A), JOSA 68: 1446
- Beam-foil spectra of krypton (A), JOSA 66: 1067
- Beam-foil spectroscopy of neon between 80 and 350 (E), JOSA 65: 991
- Beam-foil study of fluorine in the far UV (E), JOSA 69: 474
- Beam-foil study of krypton between 400 and 800 Å (ET), JOSA 66: 433
- Beam-foil study of sulfur between 500 and 1200 Å (E), JOSA 68: 825
- Bibliography on Atomic Line Shapes and Shifts (June 1975 through June 1978) (N), AO 18: 2072
- Bound, odd-parity  $J = 1$  spectra of the alkaline earths: Ca, Sr, and Ba (TE), JOSA 69: 211
- Calculations of line absorption for the Voigt profile (T) (L), JOSA 68: 1008
- Central Michigan University wavelength tables (A), JOSA 66: 1067
- Changes in fluorescence lifetimes induced by variable optical environments (A), JOSA 69: 1411
- Characteristics of an opto-galvanic effect in cesium and other gas discharge plasmas (E), JOSA 68: 352
- Chemical excitation transfer to high-lying Rydberg levels of Al (ET) (L), JOSA 66: 75
- Classification of Be I-like and B I-like iron and vanadium spectra from laser-produced plasmas (TE), JOSA 68: 48
- Competition between  $4f$  and  $5p$  electrons in the  $4f^{13}5p^6$  isoelectronic sequences (A), JOSA 68: 1446
- Completely resolved fine structure in  $D$ ,  $F$ , and  $G$  Rydberg states of  $^4\text{He}$  (A), JOSA 69: 1410
- Complete resolution of hyperfine structure in the close doublet  $\lambda 5930.6$  of  $^{139}\text{La}$  by laser-atomic-beam spectroscopy (ET), JOSA 67: 1230
- Configuration interaction effects on the odd parity levels of Si (T), JOSA 69: 525
- Configuration mixing between  $2p3p$  and  $2s4s$  in Niv (E) (L), JOSA 66: 375
- Configurations of quadruply ionized aluminum (Al V),  $2p^4$ ,  $4f$ ,  $5f$ , and  $5g$  (E), JOSA 65: 1399
- Continuing investigations of the K I isoelectronic series with Hartree-Fock calculations (A), JOSA 66: 1062
- Cooling, trapping, and storage of atoms by resonant laser fields (T), JOSA 69: 413
- Deconvolution of instrumental response for asymmetric spectral lines (T) (L), JOSA 69: 482
- Detection of  $^{20}\text{Na}$  atoms and measurement of sodium-vapor densities by means of atomic-resonance fluorescence (E), JOSA 63: 952
- Determination of the line shapes of atomic nitrogen resonance lines by magnetic scans (ET), AO 15: 2649
- Determination of the odd-even staggering parameter in the spectrum of cadmium (T) (L), JOSA 66: 155
- Diamagnetic effect of autoionizing resonances in atoms (A), JOSA 68: 1446
- Diamagnetic spectra of atomic lithium (A), JOSA 68: 1446
- Direct measurements of excited-state lifetimes in Mg, Ca, and Sr (E), JOSA 67: 488
- Distortion effects in measurements of long optical lifetimes (TE), JOSA 67: 1218
- Dye-laser scanning spectroscopy and fluorescence-quenching cross sections for the  $B^3\Pi^+_{ou}$  state of iodine (E), JOSA 66: 233
- Eastern analytical minisymposium, New York City, 21 Nov 1975 (M), Reported by Wise, Warren M., AO 15: 594
- Electric-field-induced resonances (A), JOSA 68: 1446
- Electron density, temperature, and local thermodynamic equilibrium in low-voltage low-current break arcs: magnesium (ET), JOSA 67: 1235
- Electron impact excitation of the  $G^1\Sigma^+_g$  state of  $\text{H}_2$  (E), JOSA 67: 1641
- Energy levels of neutral atomic uranium (U I) (E), JOSA 66: 644
- Energy levels of the first spectrum of curium, Cm I (ET), JOSA 66: 109
- Even-parity autoionizing states in neutral sodium (350-400 Å) (ET), OL 4: 109
- Excitation energies and oscillator strengths in the silver isoelectronic sequence (T), JOSA 69: 125
- Experimental absolute transition probabilities of lines from the  $3d^4(3/2)_2$  level of Ne I (E), JOSA 67: 1327
- Experimental lifetimes of levels belonging to the  $4p^5 nd$  ( $n=4,5,6,7$ ) configurations of Kr I (TE) (L), JOSA 69: 1618
- Experimental test of the effective cross section in photoionization of excited atoms (A), JOSA 68: 1447
- Extended analysis and  $4s4p^64d$  configuration of Y IV (A), JOSA 66: 1068
- Extended identifications of odd energy levels of Si I: Lu-Fano graphical analysis (TE), JOSA 65: 385
- Extension of the analysis of triply ionized aluminum (Al IV) (E), JOSA 65: 594
- Extensions to the spectrum of singly ionized barium (Ba II) (E), JOSA 65: 829
- Extensive theoretical analysis of the  $f^6d$  and  $f^8d$  configurations. application to  $4f^65d6s^2$  in Tb I, JOSA 68: 368
- Extreme ultraviolet and x-ray spectroscopy of an inverted laser-produced aluminum plasma (A), JOSA 69: 1410
- Extreme ultraviolet spectrum of C I observed from Skylab during a solar flare (E), JOSA 66: 853
- Fluorescence due to magnetic-dipole transitions in  $\text{LiYF}_4\text{:Pr}^{3+}$  (E) (L), AO 18: 3365
- Four-wave mixing in barium (A), JOSA 65: 1180
- Frequency measurement of the 260-THz (1.15- $\mu\text{m}$ ) He-Ne laser (E), OL 4: 129
- Furnace spectra of neutral uranium (A), JOSA 65: 1188
- $gf$  value of the intercombination line of barium, Ba I (E) (L), JOSA 68: 535
- Grotrian-diagram project at the University of Arizona (A), JOSA 66: 1067
- Grotrian-diagram project at the University of Arizona (A), JOSA 68: 1445
- Grotrian-diagram project at the University of Arizona (A), JOSA 69: 1411
- Handbook of Atomic Data. By Serafin Fraga, Jack Karwowski, and K. M. S. Saxena (B). Reviewed by Sugar, Jack, JOSA 67: 986
- Hartree-Fock Method for Atoms. A Numerical Approach. By Charlotte Froese Fischer (B). Reviewed by Fred, Mark S.; Crosswhite, Henry M., AO 16: 3064
- High current hollow cathode tube as a source of metastable atoms (E), JOSA 69: 1289
- High-lying levels in U I from absorption spectra (A), JOSA 66: 1068
- High-precision measurement of the hyperfine structure of the  $620\text{-cm}^{-1}$  metastable atomic level of  $^{238}\text{U}$  by laser-rf double resonance (E), OL 4: 63
- High-precision measurement of  $^{235}\text{U}$  ground-state hyperfine structure of laser-rf double resonance (E), OL 4: 35
- High-resolution study of the helium-fluorine laser (E), JOSA 68: 262
- High-resolution, two-photon absorption spectroscopy of highly excited  $D$  states of Rb atoms (A), JOSA 65: 1180
- High-Rydberg-state chemistry in atomic strontium (A), JOSA 68: 640
- Hyperfine spectroscopy of  $^8\text{Li}^+$  (E), OL 4: 233
- Hyperfine-structure and isotope-shift measurements on  $\text{Dy I } \lambda 5988.562$  using high-resolution laser spectroscopy and an atomic beam (E), JOSA 67: 747
- Hyperfine structure in the arc spectrum of  $^{83}\text{Kr}$  (E), JOSA 67: 1638
- Hyperfine structure in the arc spectrum of  $^{83}\text{Kr}$  (errata), JOSA 68: 1155
- Hyperfine structure measurements of high-lying levels of uranium (E), JOSA 69: 230
- Hyperfine structure, nuclear moments, and configuration interaction in neutral  $^{237}\text{Np}$  (A), JOSA 65: 1188
- Hyperfine structure of excited, odd-parity levels in  $^{139}\text{La}$  by laser-atomic-beam fluorescence (E) (L), JOSA 68: 1348
- Hyperfine structure of the  $5p^5 2P_{3/2} 5d[7/2]_4^o$ ,  $2P_{3/2} 5d[3/2]_2^o$ , and  $2P_{3/2} 6p[5/2]_3$  levels in Cs II measured with beam-laser technique (E), OL 4: 268
- Identification of  $5g$  and  $6g$  terms and revised ionization energies in the Yb II  $4f^{14}n l$  isoelectronic sequence (E), JOSA 69: 141
- Inert-gas broadening of highly excited Na atomic states (A), JOSA 67: 1418
- Infrared absorption of  $\text{Pr}^{3+}$  in  $\text{LaCl}_3$  and  $\text{LaBr}_3$  at 4-5  $\mu\text{m}$  (E) (L), JOSA 69: 1622
- Infrared emission spectrum of neutral vanadium (V I) (E), JOSA 68: 235
- Infrared spectrum of atomic oxygen (A), JOSA 69: 1411
- Intensity calibration in the normal-incidence VUV region (A), JOSA 65: 1188
- Ionization energies of quadruply ionized rare earths (T), JOSA 65: 1366
- Isotope shift in the Cd I line 4678 ( $5s5p^3P_0-5s6s^3S_1$ ) and odd-even staggering (E) (L), JOSA 65: 962
- Isotope shift in the spectrum of Ne II (E) (L), JOSA 65: 220
- Isotope shift of  $^{234}\text{U}$ ,  $^{236}\text{U}$ ,  $^{238}\text{U}$  in U I (E) (L), JOSA 66: 1415
- Isotope shifts in the arc spectra of dysprosium, erbium, and ytterbium (ET), JOSA 66: 585
- Isotope shifts in the near infrared lines of the arc spectrum of krypton (E), JOSA 69: 503
- Laser photoexcitation spectra of  $\text{Cr}^{3+}\text{:MgO}$  at 77 K (A), JOSA 69: 1410
- Laser spectroscopy of neptunium; first ionization potential, lifetimes and new high-lying energy levels of Np I (E), JOSA 69: 733
- Laser spectroscopy of U I using stepwise excitation and fluorescence detection (E), JOSA 69: 256
- Level structure and predicted intercombination lines in magnesium-like V XII, Cr XIII, Mn XIV, and Co XVI (T) (L), JOSA 69: 1391
- Lifetime, branching ratio, and absolute transition probability of the  $6395.42$  Å transition of  $^{238}\text{U}$  I (E), JOSA 68: 1084
- Lifetime measurements for excited states of rare-earth atoms using pulse modulation of a cw dye-laser beam (E), JOSA 69: 984
- Lifetime measurements in Q VI, O V, and O IV between 100 and 1700 Å (ET), JOSA 66: 842
- Lifetime measurements in the excited  $S$  states of K, Rb, and Cs by the cascade-Hanle effect (T), JOSA 66: 426
- Lifetimes of levels in neutral strontium ( $\text{Sr I}$ )+ (E), JOSA 65: 1410
- Lifetimes of some L-x-ray emitting levels in silicon, sulfur, and chlorine (E), JOSA 68: 830
- Line-broadening studies of highly excited Rb atoms (A), JOSA 67: 1418
- Low-energy electron-stimulated luminescence of N atoms in solid  $\text{N}_2$  (A), JOSA 67: 1418
- Mean-life measurements for some terms in C II, C III, and C IV (E) (L), JOSA 68: 1000
- Mean-life measurements for some terms in C II, C III, and C IV (errata), JOSA 68: 1787
- Mean wavelength and spectral width of transition arrays in XUV atomic spectra (TE) (L), JOSA 68: 1136
- Measurement of  $^1D_2 \rightarrow ^1F_3$  microwave transitions in strontium Rydberg states using selective resonance ionization (E), OL 4: 173
- Measurement of excitation cross section of the  $6^3P_1$  state of Hg using self-calibrating apparatus (TE), JOSA 69: 150



- Measurement of the He  $1s2s\ ^1S_0$  isotopic shift using a tunable VUV anti-Stokes light source (E), OL 3: 162
- Measurement of the lifetimes of the  $2^2F_{5/2}$ ,  $2^2D_{3/2}$ ,  $2^2G_{5/2}$ , and  $2^2D_{3/2}$  states of lanthanum (E), JOSA 68: 842
- Measurement of the lowest S-state lifetime at Al, Ga, In, and Tl (E), JOSA 67: 491
- Measurement of U I relative oscillator strengths (E) (L), JOSA 66: 492
- Molecular and atomic lifetime measurements (A), JOSA 66: 1071
- Multiconfiguration Hartree-Fock study of the interaction between  $sp^6$  and  $s^2p^4d$  in the Cl I, Br I, and I I isoelectronic sequences with particular emphasis on the neutral halogens (T), JOSA 67: 754
- Multilevel superfluorescence: small sample theory (A), JOSA 69: 1410
- Multiphoton spectroscopy of highly excited states in Tl (A), JOSA 67: 1417
- NBS provides spectra of highly ionized molybdenum and heavy elements, for fusion diagnostics (N), AO 16: 1399
- New line classifications and energy levels in the triplet system of Xe VII (E) (L), JOSA 69: 1726
- New sensitive method of radioactive dating (A), JOSA 68: 1445
- Nuclear orientation induced by intense resonant laser radiation (A), JOSA 66: 1125
- Numerical procedures for determining lines and levels in the Na I isoelectronic sequence (A), JOSA 65: 1188
- Observation of atomic-pair absorption with an incoherent source (E), OL 4: 137
- Observation of collision-induced 6s-ns transitions in the absorption spectrum of cesium in the presence of xenon (E) (L), JOSA 67: 844
- Observations of Li I and Li II absorption spectra in the grazing incidence region (E), JOSA 67: 1030
- Observations of  $n = 3 \rightarrow n' = 4$  transitions in the Mg I and Si I sequences for elements chromium through zinc (TE), JOSA 68: 1558
- Observations of  $3p^23d-3p^24f$  and  $3p^23d-3p^23d4s$  transitions in iron, cobalt, nickel, and copper (ET), JOSA 66: 240
- One-electron spectrum of Xe VIII (L), JOSA 69: 1620
- Optical absorption spectrum of  $Cr^{3+}$  in yttrium aluminum garnet (TE), JOSA 67: 27
- Optical bistability in cooperative atomic systems (A), JOSA 68: 1636
- Optical oscillator strengths for N II (T), JOSA 69: 1140
- Opto-galvanic spectroscopy in a uranium hollow cathode discharge (E), JOSA 69: 738
- Opto-galvanic spectroscopy of atomic neutrals and ions in discharges (A), JOSA 68: 626
- Oscillator strength of the barium  $6s6p\ ^1P_1-6s5d\ ^1D_2$  transition inferred from photodeflection efficiency (TE), JOSA 66: 416
- Oscillator strength of the barium  $6p5d\ ^1P_1-5d^2\ ^1D_2$  transition (E), JOSA 66: 420
- Oscillator strengths for some D-F transitions in the Mg sequence (T), JOSA 69: 118
- Oscillator strengths of neutral cobalt (Co I) (A), JOSA 68: 1447
- Phase matching of two-photon resonant 4-wave mixing processes in alkali metal vapors (A), JOSA 67: 251
- Photoabsorption of the 4d electrons in xenon (E), JOSA 65: 634
- Photoionization of samarium in the threshold region (E) (L), JOSA 65: 613
- Plasma diagnostic using high-resolution spectroscopic techniques (T), JOSA 67: 726
- Power broadening of the absorption spectrum in optically oriented sodium (A), JOSA 66: 1068
- Pressure and plasma shift and broadening of resolved Balmer- $\alpha$  fine-structure lines in hydrogen (A), JOSA 68: 1633
- Pressure effects of helium, neon, and argon on the hyperfine structure of the first doublet of cesium (E), JOSA 67: 24
- Pressure shifts and broadenings in the arc spectrum of xenon (E), JOSA 66: 1014
- Progress in Atomic Spectroscopy, Volume A. Edited by W. Hanle and H. Kleinpoppen (B), Reviewed by Pipkin, F. M., AO 18: 1949
- $2p^33s$ ,  $3p$ ,  $3d$ ,  $4s$ , and  $4d$  configurations of triply ionized sodium, Na IV (E), JOSA 66: 659
- Radiative-lifetime measurements for Si III  $3s4s^3S$ ,  $S\ ^3S$ ,  $3s3d^2F^o$ , and Si IV and S VI  $4f^2F^o$  (E), JOSA 66: 1393
- Radiative-lifetime measurements for I I and II (E), JOSA 69: 253
- Radiative lifetimes, absolute transition probabilities, and oscillator strengths in Kr II (T), JOSA 67: 155
- Radiative lifetimes, absorption cross sections, and the observation of new high-lying odd levels of  $^{238}U$  using multistep laser photoionization (E), JOSA 66: 846
- Radiative lifetimes and collisional deactivation rates  $4p^45p$  configuration of singly ionized krypton (E), JOSA 65: 1359
- Radiative lifetimes of some levels of Xe I and Xe II (E) (L), JOSA 65: 218
- Regularities in s-electron binding energies in  $1^N s^M$  configurations (T), JOSA 68: 360
- Regularities in s-electron binding energies in  $1^N s^M$  configurations (errata), JOSA 68: 1649
- Regularities in the  $1^N s^2, 1^N s, 1^N$  ionization energies (A), JOSA 67: 1418
- Relative isotope shifts in U I (T) (L), JOSA 68: 1007
- Relative transition probabilities in Kr II (A), JOSA 65: 1187
- Remeasurement of the photographic emission spectrum of neutral vanadium (V I) (E), JOSA 68: 206
- Resonance lines and energy levels of Cs III, Ba IV, and La V (ET), JOSA 66: 590
- Resonance lines in the Ag I and Pd I isoelectronic sequences from Cs to Sm (A), JOSA 67: 1383
- Resonance lines in the Ag I and Pd I isoelectronic sequences: Cs IX through Sm XVI and Cs X through Nd XV (E), JOSA 67: 1518
- Resonance lines in the In VI spectrum (ET) (L), JOSA 66: 630
- Resonance lines of Cs II, Ba III, and La IV (E), JOSA 65: 638
- Resonance transition array of Yb IV (ET), JOSA 66: 439
- Revised tables of optical spectra issued by NBS (N), AO 14: 2532
- Satellite spectra from laser-produced plasmas of Be, B, C, N, and O in He-like and Li-like configurations (E), JOSA 67: 1033
- Saturation in laser excited atomic fluorescence spectrometry: experimental verification (ET), AO 18: 1804
- Selected Tables of Atomic Spectra, Atomic Energy Levels, and Multiplet Tables NI, NII, NIII, by Charlotte E. Moore (N), AO 14: 2475
- Selective resonant inversion of atomic vapors for isotope separation (A), JOSA 66: 1125
- Series limit and hydrogenlike series in PbII (TE), JOSA 66: 36
- Seventh spectrum of selenium: Se VII and the  $3p^53d^{10}$  configuration in Se VIII (E), JOSA 67: 472
- Single-atom detection of ytterbium by selective laser excitation and field ionization from Rydberg states (E), OL 3: 159
- Sixth spectrum of uranium (U VI) (ET), JOSA 66: 599
- Spectra in the period between copper and bromine produced with the aid of a 4 GW laser (E), JOSA 65: 623
- Spectral line profiles in the cesium principal series perturbed by noble gases (A), JOSA 68: 1447
- Spectra of alkali metal vapor and noble gas flashlamps (E), JOSA 68: 62
- Spectra of highly ionized Cr, Fe, Co, and Ni emitted from laser produced plasma (A), JOSA 68: 1389
- Spectra of Mo XXX, XXI, and XXXII from a laser-produced plasma (E), JOSA 67: 1525
- Spectra of Mo XXX, XXXI, and XXXII from a laser-produced plasma (E), JOSA 67: 1521
- Spectroscopic studies and analysis of the laser states of  $Nd^{3+}$  in  $YVO_4$  (ET), JOSA 66: 1405
- Spectroscopic studies of Si v and Si vi between 500 and 1300 Å using the beam-fold method, JOSA 67: 751
- Spectroscopy of even-parity autoionizing levels in Ba (ET), OL 4: 106
- Spectroscopy of  $3P^o$  states of alkaline earths (E), OL 1: 19
- Spectroscopy of  $3P^o$  states of Ba (A), JOSA 67: 1417
- Spectrum and energy levels of eleven-times ionized zirconium (Zr XII) (E), JOSA 69: 1659
- Spectrum and energy levels of five-times ionized tantalum (Ta VI), JOSA 65: 302
- Spectrum and energy levels of four-times ionized zirconium (Zr V) (E), JOSA 69: 239
- Spectrum and energy levels of Mo XIV (A), JOSA 68: 1446
- Spectrum and energy levels of singly ionized rubidium (Rb II) (E), JOSA 65: 286
- Spectrum and energy levels of singly ionized aluminum (Al II) (E), JOSA 69: 232
- Spectrum and energy levels of six-times ionized yttrium (Y VII) (A), JOSA 67: 1383
- Spectrum and energy levels of ten-times ionized yttrium (Y XI) (E), JOSA 69: 1285
- Spectrum and energy levels of thirteen-times ionized molybdenum (Mo XIV) (E), JOSA 69: 144
- Spectrum and energy levels of triply ionized lanthanum (La IV) (TE), JOSA 69: 511
- Spectrum of Ca X and spectral observations of calcium, scandium, and titanium (ET) (L), JOSA 66: 632
- Spectrum of doubly ionized yttrium (Y III) (E), JOSA 65: 310
- Spectrum of doubly ionized yttrium (Y III) (E) (errata), JOSA 66: 981
- Spectrum of potassium vapor in a dye laser cavity at 7900-8400 Å (A), JOSA 67: 1432
- Spectrum of Rb III observed with a pulsed-rf light source (E), JOSA 65: 988
- $1s-3p\ K\beta$ -like x-ray spectrum of highly ionized iron (E), JOSA 67: 148
- $4s^24p^4-4s4p^5$  transitions in five-times-ionized yttrium (Y VI) (TE), JOSA 66: 35
- $4s^24p^4-4s4p^5$  transitions in Zr VII, Nb VIII, and Mo IX (ET), JOSA 66: 896
- Stark structure on hydrogen spectra in Ormak plasma (A), JOSA 65: 1187
- Stochastic description of the optical bistability (A), JOSA 68: 1636
- Systematic parameters for lanthanide and actinide atomic configurations (A), JOSA 67: 1418
- Tablaser: trace (element) analyzer based on laser ablation and selectively excited radiation (E), AO 18: 281
- Tables of Spectral-Line Intensities, Part 1: Arranged by Elements, Part 2 Arranged by Wavelengths. Second Edition of NBS Monograph 145. By W. F. Meggers, Charles H. Corliss, and Bourdon F. Scribner (B), Reviewed by Harrison, George R., AO 15: 843
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- Term analysis of the spectrum of neutral neptunium (Np I) (ET), JOSA 67: 7
- Theoretical calculation of atomic spin-orbit parameters (A), JOSA 64: 1370
- Theoretical calculation of spectra of highly ionized atoms (A), JOSA 66: 1060
- Trace Analysis: Spectroscopic Methods for Elements. Edited by J. D. Winefordner (B), Reviewed by Epstein, Michael, AO 16: 9
- Transition probabilities for the  $5p^46p-5p^46s$  array of Xe II (T), JOSA 66: 904
- Transition probabilities for the Ne I  $3p-4d$  array (T) (L), JOSA 66: 971
- Transition probabilities for the resonance transitions of Na-like ions (T), JOSA 68: 836
- Transition probabilities in the spectra of Ne I (T), JOSA 65: 389
- Transition probabilities in the spectra of Ne I, Ar I, and Kr I (T), JOSA 66: 245
- Transitions of ZnXXII, ZnXXIII, ZnXXIV, GeXXIV, and GeXXV observed in laser-produced plasmas (ET) (L), JOSA 66: 376
- Transitions of Zn XXII, Zn XXIII, Zn XXIV, Ge XXIV, and Ge XXV observed in laser-produced plasmas (errata), JOSA 66: 1141
- Transitions  $2s^22p-2s2p^2$  in the B I isoelectronic sequence (ET) (L), JOSA 65: 463
- Two-photon absorption spectroscopy of potassium Rydberg states (ET), JOSA 67: 579
- Two-photon absorption to highly excited D states of Rb atoms (ET) (L), JOSA 66: 490
- Ultraviolet spectroscopy with atomic beams (A), JOSA 68: 1446



- Vacuum ultraviolet radiometry below 100 nm: the high-power hydrogen arc as a standard source of continuum radiation between 53 nm and 92 nm (E), AO 18: 2586
- Wavelength and classification of the 6504 line of Xe I (E) (L), JOSA 65: 464
- Wavelengths and levels of the Na I isoelectronic sequence from K IX through Mn XV (ET), JOSA 66: 899
- Wavelengths, classifications, and ionization energies in the isoelectronic sequences from Yb II and Yb III through Bi XV and Bi XVI (E), JOSA 66: 1019

## Spectroscopy, beam-foil

- Addition to the beam-foil study of S VII in the vacuum ultraviolet (E) (L), JOSA 69: 916
- Beam-foil investigation of the iodine spectrum (A), JOSA 67: 1384
- Beam-foil mean-life measurements in krypton (E), JOSA 66: 1396
- Beam-foil measurements of mean lives on B IV and B V below 450 Å (E) (L), JOSA 68: 998
- Beam-foil measurements of the oscillator strength of the resonance doublet in the seven-times ionized noble gases (A), JOSA 68: 1446
- Beam-foil spectra of krypton (A), JOSA 66: 1067
- Beam-Foil Spectroscopy. Edited by S. Bashkin (B), Reviewed by Heroux, L., AO 14: 1039
- Beam-foil spectroscopy of bromine from 450 to 1000 Å (E), JOSA 67: 162
- Beam-foil spectroscopy of bromine from 450 to 1000 Å (errata), JOSA 67: 853
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- Beam-foil studies of ionized argon in the vacuum UV (A), JOSA 67: 1383
- Beam-foil study of fluorine in the far UV (E), JOSA 69: 474
- Beam-foil study of krypton between 400 and 800 Å (ET), JOSA 66: 433
- Beam-foil study of nitrogen between 100 and 400 Å (E), JOSA 64: 1011
- Beam-foil study of sulfur between 500 and 1200 Å (E), JOSA 68: 825
- Cascade correction in beam-foil lifetime measurements (A), JOSA 67: 1384
- Charge-state determination of beam-foil spectral lines (E) (L), JOSA 66: 278
- Detection and elimination of reflections in beam-foil target chambers (E) (L), AO 13: 1295
- Doppler-shifted reflections of x rays in beam foil spectroscopy (E) (L), AO 15: 1899
- Doppler-shifted reflections of x rays in beam foil spectroscopy: comments (E) (L), AO 15: 2967
- High-intensity method for beam-foil spectroscopy, with retained spatial resolution along the beam (E), JOSA 66: 837
- Lifetimes of some L-x-ray emitting levels in silicon, sulfur, and chlorine (E), JOSA 68: 530
- Mean-life measurements for some terms in C II, C III, and C IV (E) (L), JOSA 68: 1000
- Mean-life measurements for some terms in C II, C III, and C IV (errata), JOSA 68: 1787
- Molecular effect on equilibrium charge-state distributions (E) (L), JOSA 66: 502
- Radiative-lifetime measurements for Si III  $3s4s^2S$ , S V  $3s4p^2F^o$ , and Si IV and S VI  $4p^2F^o$  (E), JOSA 66: 1393
- Spectroscopic studies of Si v and Si vi between 500 and 1300 Å using the beam-foil method, JOSA 67: 751

## Spectroscopy, Brillouin

- See also Scattering, Brillouin
- Absolute measurements of Brillouin-scattering efficiencies of molecular liquids (E), JOSA 65: 994
- Brillouin-scattering measurements of the acoustic absorption coefficient in liquid CS<sub>2</sub> (E), JOSA 65: 6

- Evaluation of fiber optical waveguides using Brillouin spectroscopy (E), AO 13: 1376

## Spectroscopy, Fourier

- See also Fourier entries
- Airborne infrared astronomical observations by Fourier transform spectroscopy (ER), AO 17: 1352
- Aircraft observations of the infrared emission of the atmosphere in the 700–2800-cm<sup>-1</sup> region (ET), AO 13: 1466
- Air pollution measurement by Fourier transform spectroscopy (E), AO 17: 1360
- Alignment of a Fourier transform spectrometer for measuring high temperature reflectivities (E) (L), AO 17: 3529
- All-reflection Michelson interferometer: analysis and test for far IR Fourier spectroscopy (TE), AO 17: 1739
- Analysis of an all-reflection Fourier transform interferometer (A), JOSA 66: 1093
- Apparatus for double-beaming in Fourier spectroscopy (P), AO 18: 260
- Background suppression in double-beam interferometry (ET), AO 18: 1996
- Chemical progress through Fourier transform spectroscopy (A), JOSA 66: 1082
- Chirped Fourier spectroscopy. 1: Dynamic range improvement and phase correction (E), AO 13: 2907
- Chirped Fourier spectroscopy. 2: Theory of resolution and contrast (TE), AO 14: 1004
- Comparison of Fourier and laser spectroscopy in the far-infrared–submillimeter range (E) (L), AO 18: 2349
- Conventions and values for the multiplex advantage in Fourier transform spectroscopy (TE) (L), AO 16: 3070
- Correcting errors in the optical path difference in Fourier spectroscopy: a new accurate method (TE), AO 17: 1587
- Delay compensation: its effect in reducing sampling errors in Fourier spectroscopy (T), AO 18: 68
- Demonstrating Fourier transform spectroscopy for students (E), AO 17: 1413
- Double-beam high resolution Fourier spectrometer for the far infrared (E), AO 14: 1987
- Double-beaming technique in Fourier spectroscopy (ET) (L), AO 15: 290
- Drive nonlinearities: their effects in Fourier spectroscopy (T), AO 16: 1412
- Expanding field of far infrared Fourier transform spectroscopy in the laboratory, industry, and the environment (ER), AO 17: 1332
- Exploration of the outer solar system by means of Fourier spectroscopy (A), JOSA 66: 1081
- Far-infrared studies in epitaxial films of III–V and IV–VI semiconductors (E), JOSA 67: 939
- Fourier and Hadamard transform spectrometers: a limited comparison. Part 2 (T) (L), AO 16: 3071
- Fourier IR spectroscopy of matrix isolated unstable molecules (A), JOSA 68: 1401
- Fourier, Pasteur, and sundry others (R), AO 17: 1318
- Fourier spectroscopic measurements of transient CO emissions (A), JOSA 67: 250
- Fourier Transform Infrared Spectroscopy, Fourth International Conference, University of South Carolina, 20–24 Jun 1977 (M), Reported by Sakai, Hajime, AO 17: 3
- Fourier transform infrared spectroscopy: recent developments (R), AO 17: 1315
- Fourier transform infrared spectroscopic study of molecular interactions in hemoglobin (E), AO 17: 2985
- Fourier Transform Infrared Spectroscopy: Applications to Chemical Spectroscopy. Volume One. Edited by John R. Ferraro and Louis J. Basile (B), Reviewed by Hirschfeld, Tomas, JOSA 69: 799
- Fourier Transform NMR Spectroscopy. By Derek Shaw (B), Reviewed by Farrar, T. C., AO 16: 2337
- Fourier transform spectroscopy in the visible and ultraviolet range, AO 17: 1327
- Fourier transform spectroscopy technical group plans for the International Conference on Fourier Transform Infrared Spectroscopy to be held 20–24 Jun 1977 at the University of South Carolina (A), JOSA 66: 1138
- General review of Fourier spectroscopy (A), JOSA 66: 1080

- High-accuracy Doppler-limited 10<sup>6</sup> samples Fourier transform spectroscopy (E), AO 17: 1322
- High-resolution Fourier spectroscopy (A), JOSA 64: 1364
- High resolution Michelson interferometer for airborne infrared astronomical observations. 1: Concept and performance (E), AO 16: 1834
- High resolution Michelson interferometer for airborne infrared astronomical observations. 2: System design (E), AO 16: 1841
- High-resolution near-infrared emission measurements of molecules of astrophysical interest (A), JOSA 66: 1094
- High-resolution optical telescope for Fourier transform spectroscopy in the infrared radiation field (A), JOSA 69: 1440
- Improvements in time resolved Fourier spectroscopy (E), AO 17: 1342
- Infrared Fourier spectroscopy with the Mayall 4 m telescope (A), JOSA 66: 1081
- Infrared Fourier-transform spectroscopy of gaseous discharges (A), JOSA 67: 1419
- Infrared reflectance: independent measurements yield good agreement (E) (L), AO 15: 1124
- Infrared spectroscopic studies of transients (E), AO 17: 1347
- Instrumentation optimization in Fourier spectroscopy. 1: Far infrared beam splitters (T), AO 13: 1807
- Interferometry from 1950 to the present (R), JOSA 67: 871
- International conference on Fourier transform infrared spectroscopy, 1977 (N), JOSA 66: 981
- Inverse Fourier spectroscopy (A), JOSA 65: 1186
- Martin-Puplett interferometer: an analysis (TE), AO 17: 1595
- Measurements of the optical constants of liquid H<sub>2</sub>O and D<sub>2</sub>O between 6 and 450 cm<sup>-1</sup> (E), JOSA 67: 902
- Multiple order spectra in Fourier transform infrared spectroscopy (T), AO 16: 1905
- Near infrared wide-band spectroscopy with 27-MHz resolution (E), AO 16: 2097
- Near-IR Fourier transform spectra of TiO and ZrO (A), JOSA 66: 1093
- New apodizing functions for Fourier spectrometry (T), JOSA 66: 259
- New apodizing functions for Fourier spectrometry (errata), JOSA 67: 419
- New trends in the application of Fourier transform infrared spectroscopy to analytical chemistry (ET), AO 17: 1400
- Noise and quantization effects in infrared Fourier transform spectroscopy (A), JOSA 66: 1093
- Nonlinear processing of the interferogram in Fourier spectroscopy (T), JOSA 68: 915
- Optical technique for background suppression (P), AO 18: 261
- Optimum resolution gain with prolate spheroidal wave functions (T) (L), JOSA 64: 404
- Performance of a Michelson interferometer with asymmetric surface defects distribution (T) (L), AO 13: 1553
- Perspectives in interferometric spectrometry (A), JOSA 65: 1183
- Phase discrepancies in asymmetric interferograms and application to nonlinearities in Fourier spectroscopy (T), JOSA 65: 825
- Phase retrieval from modulus data (T), JOSA 66: 961
- Rapid-scan high-resolution Fourier spectrometer for the visible (A), JOSA 66: 1081
- Ratio method of Fourier spectrometry: an improvement (TE), AO 13: 2240
- Recent applications of FT-IR spectroscopy to polymer systems (ER), AO 17: 1374
- Recent results by Fourier spectroscopy (A), JOSA 66: 1081
- Remote measurement of gaseous pollutant concentrations using a mobile Fourier transform interferometer system (E), AO 18: 3404
- Resolving power in holographic Fourier-transform spectroscopy and the effects of nonlinear film response (T), JOSA 66: 761
- Results in the theory of a plane-mirror interferometer (T), JOSA 68: 1124
- Scan nonlinearities in a continuous-scan Michelson interferometer (A), JOSA 66: 1093
- Second-order spectra in Fourier transform IR spectroscopy (A), JOSA 66: 1093



- Signal-to-noise ratio in Fourier spectroscopy (T), AO 16: 3103
- Source noise in Fourier-transform spectroscopy (TE) (L), JOSA 64: 1019
- Spectral interpolation: zero fill or convolution (E) (L), AO 16: 2801
- Spectrometric Techniques, Volume 1. Edited by George A. Vanasse (B), Reviewed by Leopold, Lutz, AO 17: 2473
- Temperature dependence and measurement of self-broadening coefficients in CO<sub>2</sub> (A), JOSA 66: 1094
- Temperature dependence of collision-induced absorption in gaseous N<sub>2</sub> (TE), JOSA 69: 386
- Temperature dependence of the dielectric response of KTaO<sub>3</sub> by dispersive Fourier transform spectroscopy (T), JOSA 68: 1322
- Tilt-compensated Michelson interferometer for Fourier transform spectroscopy, AO 17: 3304
- Time-resolved Fourier spectroscopy (A), JOSA 64: 1364
- Time-resolved Fourier spectroscopy (ET), JOSA 65: 600
- Transverse optical mode anharmonic self-energy of NaCl from measurements by dispersive Fourier-transform spectroscopy (E), JOSA 67: 914
- Use of chirping to compensate for nonlinearities in Fourier spectroscopy (TE), JOSA 64: 485
- Visual Fourier-transform spectroscopy with a single crystal plate (ET), JOSA 65: 817
- Working resolution of 0.010 cm<sup>-1</sup> between 20 cm<sup>-1</sup> and 1200 cm<sup>-1</sup> by a Fourier spectrometer (E), AO 18: 1788

## Spectroscopy, Fourier transform

See Fourier transforms; Spectroscopy, Fourier

## Spectroscopy, gamma-ray

- Gamma-Ray Spectroscopy with Particular Reference to Detector and Computer Evaluation Techniques. By P. Quitner (B), Reviewed by Wyckoff, James M., AO 13: 2A18

## Spectroscopy, high resolution

- Analytical description of a Fabry-Perot spectrometer. 5: Optimization for minimum uncertainties in the determination of Doppler widths and shifts (T), AO 18: 3826
- Application of a Fabry-Perot spectrometer to the measurement of spectral line shifts much smaller than line width (ET), AO 15: 69
- Assignment of unclassified lines in Tb I through high-resolution laser-fluorescence measurements of hyperfine structure (E), JOSA 69: 815
- Characteristics of saturated absorption in formaldehyde and its application to the frequency stabilization of a 3.51  $\mu$ m He-Xe laser (A), JOSA 68: 650
- Cooling, trapping, and storage of atoms by resonant laser fields (T), JOSA 69: 413
- Diode laser spectra with simultaneous frequency calibration (E) (L), AO 17: 2674
- Doppler-free two-photon opticalgalvanic spectroscopy (E), OL 4: 230
- Doppler-free two-photon transitions to Rydberg levels: convenient, useful, and precise reference wavelengths for dye lasers (ET), OL 3: 141
- Doubly resonant intracavity generation of second harmonic of 1153-nm radiation with stabilization on hyperfine structure components of <sup>127</sup>I<sub>2</sub> (E), AO 18: 3970
- Extension of absolute-frequency measurements to the visible: frequencies of ten hyperfine components of iodine (E), OL 4: 263
- Fabry-Perot line-shape studies of the KDP soft mode (A), JOSA 67: 1410
- Fine structure in the rubidium Rydberg series (A), JOSA 67: 1371
- Global monitoring of stratospheric halogen compounds from a satellite using gas filter spectroscopy in the solar occultation mode (TE) (L), AO 16: 1479
- High-precision measurement of the hyperfine structure of the 620-cm<sup>-1</sup> metastable atomic level of <sup>235</sup>U by laser-rf double resonance (E), OL 4: 63
- High-precision measurement of <sup>235</sup>U ground-state hyperfine structure of laser-rf double resonance (E), OL 4: 35

- High-resolution cw stimulated Raman spectroscopy in molecular hydrogen (E), OL 2: 91
- High-resolution double-resonance spectroscopy of  $\nu_3 = 2 \leftarrow 1$  transitions in SF<sub>6</sub> (A), JOSA 68: 1632
- High resolution infrared spectroscopy, fourth international seminar, Liblice, 6-10 Sep 1976 (M), Reported by Aliev, M. R.; Letokhov, Vladilen S., AO 16: 787
- High-resolution spectroscopy by radiative cooling of bound resonant absorbers (A), JOSA 68: 648
- High-resolution spectroscopy of combustion gases using a tunable IR diode laser (E) (L), AO 16: 2045
- High-resolution spectroscopy with ultrashort light pulses (A), JOSA 68: 646
- High-sensitivity and high-resolution spectroscopy in a ring cavity (A), JOSA 68: 647
- Hyperfine splitting of the <sup>13</sup>CH<sub>4</sub> line at 3.39  $\mu$ m observed by laser-saturated absorption (E), OL 4: 214
- Hyperfine structure of excited, odd-parity levels in <sup>139</sup>La by laser-atomic-beam fluorescence (E) (L), JOSA 68: 1348
- Interferometer-grating spectrograph for high resolution astronomical spectroscopy in the middle UV (E), AO 17: 2119
- Measurement of the Lamb shift of the hydrogen ground state (A), JOSA 67: 1371
- Optical analysis of the hyperfine structure of <sup>59</sup>Co in the region 4000-4300 Å (E), JOSA 68: 251
- Optical parametric oscillator threshold and linewidth studies (A), JOSA 68: 1395
- Optical transient spectroscopy (A), JOSA 67: 1371
- Second All-Union Symposium on High Resolution Spectroscopy, Novosibirsk, September 1974: Abstracts (B), Reviewed by Silverman, Shirleigh, AO 14: 2570
- Thermospheric dynamics investigations with very high resolution spectrometers (ET), AO 18: 3376
- Tunable diode laser high resolution spectroscopic measurements of the  $\nu_2$  vibration of carbon dioxide (E), AO 14: 1120
- Vacuum ultraviolet high resolution spectroscopy using a BRV continuum source (E), AO 13: 2A18
- Very-high-resolution CARS spectroscopy in a molecular beam (A), JOSA 68: 1433
- Very High Resolution Spectroscopy. Edited by R. A. Smith (B), Reviewed by McDaniel, Earl W., AO 16: 8
- Very High Resolution Spectroscopy. Edited by R. A. Smith (B), Reviewed by Bloom, Arnold L., JOSA 67: 127

## Spectroscopy, infrared

- Absorption in CO<sub>2</sub> and CO<sub>2</sub> gas mixtures at elevated temperatures (A), JOSA 68: 1402
- Advances in Infrared and Raman Spectroscopy, Volume 1. Edited by R. J. H. Clark and R. E. Hester (B), Reviewed by Green, J. H. S., AO 15: 843
- Advances in Infrared and Raman Spectroscopy, Volume 3. Edited by R. J. H. Clark and R. E. Hester (B), Reviewed by Schnur, Joel M., AO 17: 159
- Advances in Infrared and Raman Spectroscopy, Volume 5. Edited by R. J. M. Clark and R. E. Hester (B), Reviewed by Tobin, Marvin C., AO 18: 1538
- Analysis of a novel ellipsometric technique with special advantages for infrared spectroscopy (T), JOSA 65: 25
- Analysis of infrared reflectivity in the presence of asymmetrical phonon lines (ET), AO 16: 2952
- Analyzing spectral data: use of a graphics display terminal (E) (L), AO 17: 993
- Application de la methode des GETS a la preparation de films minces monocristallins de TGS et TGSe deuteriums pour spectroscopie infrarouge (E), AO 17: 1616
- Automatic ellipsometer with high sensitivity and special advantages for infrared spectroscopy of adsorbed species (E), AO 14: 999
- Bandstrength determination of the fundamental vibration-rotation spectrum of ClO (E) (L), AO 17: 1680
- Calibration of the absorption spectra at 14-15  $\mu$ m obtained with a tunable diode laser (E) (L), AO 15: 2973
- Carbon dioxide spectral line frequencies for the 4.3- $\mu$ m region (ET), AO 17: 2599
- Christiansen effect in IR spectra of soil-derived atmospheric dusts (TE), AO 18: 3610
- Coherent optical spectroscopy (A), JOSA 64: 1380
- Collision-induced far-infrared absorption in helium-argon mixtures and nitrogen at high pressure (E), JOSA 67: 905
- Color center lasers for high-resolution infrared spectroscopy (A), JOSA 68: 636
- Deconvolution of IR spectra in real time (TE) (L), AO 16: 286
- Determination of the potential functions for molecules with anharmonic vibrations (A), JOSA 67: 1422
- Differential optoacoustic detector of methane using a He-Ne 3.39  $\mu$ m gas laser (A), JOSA 67: 1441
- Diode laser spectroscopy of foreign-gas-broadened sulfuric acid (H<sub>2</sub>SO<sub>4</sub>) vapor (E) (L), AO 17: 173
- Dynamic characteristics of high-pressure SF<sub>6</sub> absorption near 10.6  $\mu$ m (A), JOSA 67: 1441
- Electronic-vibrational energy transfer from Br\* to N<sub>2</sub>O (A), JOSA 67: 1441
- Extinction coefficient of the R<sub>1/2</sub>(25/2) NO transition at the 8-7 P(11) CO laser line (E) (L), AO 18: 597
- Far-infrared study of excitons, electron-hole drops, and impurity systems in germanium (E), JOSA 67: 931
- Far-infrared-submillimeter spectroscopy of solids (A), JOSA 67: 1431
- Fast-scanning far-infrared Fabry-Perot interferometer (E), AO 14: 460
- Fourier Transform Infrared Spectroscopy, Fourth International Conference, University of South Carolina, 20-24 Jun 1977 (M), Reported by Sakai, Hajime, AO 17: 3
- Fourier transform infrared spectroscopic study of molecular interactions in hemoglobin (E), AO 17: 2985
- Fourier Transform Infrared Spectroscopy: Applications to Chemical Spectroscopy. Volume One. Edited by John R. Ferraro and Louis J. Basile (B), Reviewed by Hirschfeld, Tomas, JOSA 69: 799
- Fourier transform vs Hadamard transform spectroscopy: comments on (R), AO 13: 1296
- Fourier transform vs Hadamard transform spectroscopy: reply to comments (T) (L), AO 13: 1740
- Global monitoring of stratospheric halogen compounds from a satellite using gas filter spectroscopy in the solar occultation mode (TE), AO 16: 607
- Global monitoring of stratospheric halogen compounds from a satellite using gas filter spectroscopy in the solar occultation mode (TE) (errata), AO 16: 1479
- Global monitoring of stratospheric halogen compounds from a satellite using gas filter spectroscopy in the solar occultation mode (TE) (L), AO 16: 1479
- Heterodyne measurement of infrared absorption frequencies of D<sub>2</sub>O (A), JOSA 67: 1440
- Heterodyne measurements of infrared absorption frequencies of D<sub>2</sub>O (E), OL 2: 70
- High-resolution double-resonance spectroscopy of  $\nu_3 = 2 \leftarrow 1$  transitions in SF<sub>6</sub> (A), JOSA 68: 1632
- High resolution infrared spectroscopy, fourth international seminar, Liblice, 6-10 Sep 1976 (M), Reported by Aliev, M. R.; Letokhov, Vladilen S., AO 16: 787
- High-sensitivity infrared heterodyne radiometer using a tunable-diode-laser local oscillator (E), OL 1: 84
- History of far-infrared research. I. The Rubens era (R), JOSA 67: 857
- History of far-infrared research. II. The grating era, 1925-1960 (R), JOSA 67: 865
- Hyperfine splitting of the <sup>13</sup>CH<sub>4</sub> line at 3.39  $\mu$ m observed by laser-saturated absorption (E), OL 4: 214
- Infrared absorption coefficients (3-15  $\mu$ m) for sulfur hexafluoride (SF<sub>6</sub>) and Freon (CCl<sub>2</sub>F<sub>2</sub>) (E) (L), AO 18: 1474
- Infrared absorption of Pr<sup>3+</sup> in LaCl<sub>3</sub> and LaBr<sub>3</sub> at 4-5  $\mu$ m (E) (L), JOSA 69: 1622
- Infrared and Raman Spectroscopy of Lunar and Terrestrial Minerals. Edited by Clarence Karr, Jr. (B), Reviewed by Green, J. H. S., AO 15: 1894
- Infrared and Raman Spectroscopy, Part B. Volume 1. Edited by Edward G. Brame, Jr., and Jeannette G. Grasselli (B), Reviewed by Silverman, Shirleigh, AO 16: 2599



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- Infrared energy levels and intensities of carbon dioxide (TE), AO 17: 2605
- Infrared extinction spectra of some common liquid aerosols (ET), AO 16: 1598
- Infrared Fourier-transform spectroscopy of gaseous discharges (A), JOSA 67: 1419
- Infrared-infrared double-resonance spectroscopy on molecular beams (A), JOSA 68: 647
- Infrared methane spectra between  $1120\text{ cm}^{-1}$  and  $1800\text{ cm}^{-1}$ : a new atlas (ET), AO 18: 3798
- Infrared saturable absorption in selected aromatic halogenated hydrocarbons (A), JOSA 67: 1440
- Infrared Spectra of Surface Compounds. By A. V. Kiselev and V. I. Lygin (B), Reviewed by Williams, Dudley, JOSA 66: 505
- Intercomparison of  $\text{CO}_2$  and HCN wave numbers at  $800\text{--}600\text{ cm}^{-1}$  with a diode laser spectrometer (E) (L), AO 18: 2918
- Introduction to Infrared and Raman Spectroscopy. By Norman B. Colthup, Lawrence H. Daly and Stephen E. Wiberley (B), Reviewed by Green, J. H. S., AO 15: 2014
- Men and milestones in optics. VI: The rise of infrared spectroscopy in the U.S.A. to World War II, AO 15: 1707
- Michelson interferometer with frustrated-total-internal-reflection beam splitter (TE), JOSA 65: 124
- Molecular interpretation of the infrared water vapor continuum (T) (L), AO 17: 1484
- Molecular interpretation of the IR water vapor continuum: comments (TE) (L), AO 17: 3193
- Moth and candle: the candle flame as a sexual mimic of the coded infrared wavelengths from a moth sex scent (pheromone) (ET), AO 16: 3089
- New atlas of IR solar spectra (E) (L), AO 18: 604
- Nitric acid vapor line parameters measured by CO laser transmittance (ET), AO 18: 76
- Nonlinear least-squares analysis of spectral data (A), JOSA 67: 1441
- Optical constants of ammonium sulfate in the infrared (E), JOSA 67: 186
- Optical constants of cupric sulfate in the infrared (E), JOSA 67: 499
- Optical constants of liquid methane in the infrared (E), JOSA 68: 186
- Optical constants of water in the infrared: Influence of temperature (ET), JOSA 67: 494
- Optoacoustic detection of ethylene in the presence of interfering gases (E), AO 18: 2267
- Optoacoustic measurements of energy absorption in  $\text{CO}_2$  TEA-laser-excited  $\text{SF}_6$  at 293 and 145 K (E), OL 1: 25
- Overtone spectra of  $\text{PH}_3$  using tunable infrared source (A), JOSA 67: 1440
- Phase transition changes in the molecular absorption coefficient of water in the infrared: evidence for clusters (TE) (L), AO 17: 3192
- Picosecond infrared-continuum generation by three-photon parametric amplification in  $\text{LiNbO}_3$  (ET), OL 4: 357
- Precision measurements of  $\text{NH}_3$  spectral lines near  $11\text{ }\mu\text{m}$  using the infrared heterodyne technique (E), OL 1: 81
- Pressure-broadened linewidths in the  $2.5\text{-}\mu\text{m}$  band of HF and the influence of polymer formation (E), JOSA 69: 1546
- Pressure dependence of the water vapor continuum absorption in the  $3.5\text{--}4.0\text{-}\mu\text{m}$  region (E), AO 18: 1149
- Pressure dependence of water vapor continuum absorption (A), JOSA 67: 1442
- Properties of some infrared filters (E) (L), AO 16: 289
- Pyroelectric self-scanning infrared detector arrays (E) (L), AO 18: 943
- Remote measurement of gaseous pollutant concentrations using a mobile Fourier transform interferometer system (E), AO 18: 3404
- Rotational-vibrational transition moments in excited states of spherical-top molecules (T), OL 1: 214
- Selective-absorption cross section of  $\text{CF}_3\text{CHCl}_2$  and  $\text{CF}_3\text{CDCl}_2$  at  $10.2$  and  $10.6\text{ }\mu\text{m}$  of a TEA  $\text{CO}_2$  laser (E), OL 4: 340
- Special line profiles in the  $4.3\text{ }\mu\text{m}$  band of  $\text{CO}_2$  (A), JOSA 67: 1442
- Spectral emission signatures of ambient temperature objects (E), AO 14: 2927
- Spectrophon measurements of isotopes of water vapor and nitric oxide and of phosgene at selected wavelengths in the CO and  $\text{CO}_2$  laser region (E), OL 2: 67
- Spectroscopy at very high pressures. 23: Mid IR ultramicrospectroscopy with a gasketed diamond anvil cell (E) (L), AO 18: 594
- Statistical-band-model analysis and integrated intensity for the  $21.8\text{ }\mu\text{m}$  bands of  $\text{HNO}_3$  vapor (T), JOSA 65: 10
- Sub-Doppler infrared spectroscopy of molecular beams (A), JOSA 67: 1440
- Submillimeter-far-infrared spectroscopy in the liquid and solid states with a tunable optically pumped laser (E), JOSA 67: 911
- Sulfuric acid in KBr pellet spectroscopy (E) (L), AO 18: 2353
- Tables of Wavenumbers for the Calibration of Infrared Spectrometers. By A. R. H. Cole (B), Reviewed by Williams, Dudley, JOSA 68: 144
- Tapping modulation of the far infrared ( $17\text{-}\mu\text{m}$  region) emission from the cabbage looper moth pheromone (sex scent) (ET), AO 16: 3098
- Temperature dependence of infrared absorption by the water vapor continuum near  $1200\text{ cm}^{-1}$  (A), JOSA 67: 1441
- Temperature dependence of infrared absorption by the water vapor continuum near  $1200\text{ cm}^{-1}$  (E), AO 17: 2299
- Temperature measurement technique for high-temperature gases using a tunable diode laser (ET) (L), AO 17: 2477
- Theory and Practice of Infrared Spectroscopy. By N. L. Alpert, W. E. Keiser, and H. A. Szymanski (B), Reviewed by Katritzky, A. R., AO 13: 2177
- Time-resolved infrared spectral photography (A), JOSA 69: 372
- Time-resolved infrared spectral photography (E), OL 4: 103
- Transformed world of industrial infrared analysis (E), AO 17: 1386
- Tunable diode laser spectroscopic determination of  $\nu_3$  band center of  $^{14}\text{C}^{18}\text{O}_2$  at  $4.5\text{ }\mu\text{m}$  (ET) (L), AO 16: 3072
- Tunable diode laser spectroscopy in the infrared: some practical considerations of techniques and calibration with  $\nu_2$  lines of HCN (E), AO 18: 1350
- Two-photon and Stark Lamb dips (A), JOSA 64: 1380
- Upconversion of broadband infrared spectra (E), AO 17: 1238
- Use of the AFCL line parameters compilation to test the performance of an infrared spectrometer system (E), AO 16: 2116
- Vibrational Spectra and Structure. Volume 1. Edited by James R. Durig (B), Reviewed by Clark, R. J. H., AO 13: 213
- Vibrational Spectra and Structure. Volume 5. Edited by James R. Durig (B), Reviewed by Tobin, Marvin C., JOSA 67: 416
- Vibration to rotation population transfer in HF (A), JOSA 68: 1402
- Water vapor absorption coefficients at HF laser wavelengths ( $2.64\text{--}2.93\text{ }\mu\text{m}$ ) (ET), AO 18: 1582
- Water vapor absorption measurements using a hydrogen fluoride laser (A), JOSA 67: 1442
- Water vapor continuum absorption in the  $3.5\text{--}4.0\text{-}\mu\text{m}$  region (ET), AO 17: 2711
- Water vapor-nitrogen absorption at  $\text{CO}_2$  laser frequencies (E), AO 18: 834
- Wavenumber calibration of tunable diode lasers using etalons (E) (L), AO 17: 851
- Spectroscopy, internal reflection**  
See Attenuated total reflection (ATR)
- Spectroscopy, laser**  
Absolute determination of two-photon absorption (TPA) cross sections (A), JOSA 68: 1423
- Accurate ionization potentials of lanthanide atoms by laser spectroscopy (A), JOSA 67: 1418
- Advances in Laser Chemistry. Edited by A. H. Zewail (B), Reviewed by Yablonoivitch, Eli, AO 18: 415
- Amplitude grating effects induced by picosecond laser-produced acoustical waves (A), JOSA 68: 1412
- Analytical Laser Spectroscopy. Edited by Nicolo Omenetto (B), Reviewed by Conway, John G., AO 18: 2766
- Assignment of unclassified lines in Tb I through high-resolution laser-fluorescence measurements of hyperfine structure (E), JOSA 69: 815
- Associative ionization of laser-excited Rydberg states in strontium vapor (E), OL 3: 156
- Atomic and Laser Spectroscopy. By A. Corney (B), Reviewed by Shoemaker, Richard L., AO 17: 1479
- Atomic and Laser Spectroscopy. By Alan Corney (B), Reviewed by Pritchard, David E., JOSA 68: 1286
- Atomic diamagnetism and magnetically induced configuration mixing in laser-excited barium (A), JOSA 68: 551
- Bound, odd-parity  $J = 1$  spectra of the alkaline earths: Ca, Sr, and Ba (TE), JOSA 69: 211
- Carbon dioxide laser saturation of internal-vibrational modes of molecular impurities in alkali halides (E), OL 3: 112
- Carbon monoxide-induced broadening of forbidden  $3S\text{-Rydberg } S$  (and  $D$ ) transitions in Na (A), JOSA 69: 1407
- Coherent optical transient spectroscopy in flames (TE), AO 18: 360
- Coherent transients by laser-acoustical diffraction spectroscopy (A), JOSA 68: 696
- Coherent trapping of atomic populations (ET), OL 3: 218
- Collisional broadening and shift of Rydberg states of rubidium by inert gases (A), JOSA 69: 1407
- Comparison of Fourier and laser spectroscopy in the far-infrared-submillimeter range (E) (L), AO 18: 2349
- Comparison of synchronous pumping and passive mode-locking of cw dye lasers for the generation of picosecond and subpicosecond pulses (A), JOSA 68: 664
- Complete resolution of hyperfine structure in the close doublet  $\lambda 5930.6$  of  $^{139}\text{La}$  by laser-atomic-beam spectroscopy (ET), JOSA 67: 1230
- Computer controlled cw laser spectrometer (E), AO 18: 1907
- Concentration independence of photon echo lifetimes in  $\text{Pr}^{3+}\text{:LaF}_3$  (E), OL 2: 160
- Cooling and trapping of atoms by resonance radiation pressure (T), OL 4: 161
- Cooling, trapping, and storage of atoms by resonant laser fields (T), JOSA 69: 413
- Detectability limit and uncertainty considerations for laser induced fluorescence spectroscopy in flames (TE), AO 17: 1610
- Detection of atomic hydrogen and deuterium by resonant three-photon ionization (A), JOSA 68: 675
- Determination of optical cross sections by the measurement of saturation flux using laser-pumped laser oscillators (TE), JOSA 68: 1575
- Diffraction stimulated emission induced by two strong coherent crossed laser beams for concentration measurement (T), AO 18: 3967
- Diode laser analyses of the  $3\nu_1 + \nu_2 \leftarrow 2\nu_1 + \nu_2$  and  $4\nu_1 + \nu_2 \leftarrow 3\nu_1 + \nu_2$  Q branches of  $\text{C}_2\text{O}_2$  (ET), OL 2: 157
- Diode laser- $\text{CO}_2$  laser heterodyne spectrometer: measurement of  $2sQ(1,1)$  in  $2\nu_2 - \nu_2$  of  $\text{NH}_3$  (E), AO 18: 1808
- Diode laser spectra with simultaneous frequency calibration (E) (L), AO 17: 2674
- Diode-laser spectroscopy of foreign-gas-broadened sulfuric acid ( $\text{H}_2\text{SO}_4$ ) vapor (A), JOSA 67: 1440
- Direct creation of high-density biexcitons at  $K = 0$  in  $\text{CuCl}$  (A), JOSA 68: 678
- Direct measurement of the rotational relaxation kinetics of the plastic crystal-succinonitrile using picosecond spectroscopy (A), JOSA 68: 678
- Doppler-free two-photon transitions to Rydberg levels: convenient, useful, and precise reference wavelengths for dye lasers (ET), OL 3: 141



- Double resonance laser spectroscopy of molecules (A), JOSA 69: 1397
- Effect of intermolecular coupling in coherent light-matter interaction (A), JOSA 68: 680
- Efficient extraction of atomic populations (A), JOSA 68: 1423
- Emission and ionization induced by focused KrF-laser irradiation of UF<sub>6</sub> (E), OL 4: 143
- Etude par absorption d'un faisceau laser d'une vapeur d'<sup>238</sup>U(<sup>5</sup>L<sub>6</sub><sup>0</sup>) obtenue a l'aide d'une lampe a cathode creuse (E), AO 18: 1084
- Even-parity autoionizing states in neutral sodium (350-400 Å) (ET), OL 4: 109
- Evidence of tumbling multiplets in saturation absorption spectra of SiF<sub>4</sub> (T), OL 4: 90
- Exciton dynamics in photosynthetic membranes (A), JOSA 68: 691
- Extinction coefficient of the R<sub>12</sub>(25/2) NO transition at the 8-7 P(11) CO laser line (E) (L), AO 18: 597
- Far-infrared laser magnetic resonance of free radicals (A), JOSA 67: 1387
- Far infrared optical constants of liquid water measured with an optically pumped laser (E) (L), JOSA 69: 1723
- First ionization of neptunium by laser spectroscopy (A), JOSA 68: 1411
- First ionization potentials of lanthanides by laser spectroscopy (E), JOSA 68: 52
- Formation of the temporal and spatial coherence of laser radiation near threshold: excitation of laser action as a phase transition (A), JOSA 68: 698
- Frequency coverage for submillimeter laser spectroscopy with optically pumped CH<sub>3</sub>OH, CH<sub>3</sub>OD, CD<sub>3</sub>OD, and CH<sub>2</sub>CF<sub>2</sub> (E), OL 1: 202
- Frequency measurement of the 260-THz (1.15-μm) He-Ne laser (E), OL 4: 129
- Frontiers in Laser Spectroscopy. Edited by R. Balian, S. Haroche, and S. Liberman (B), Reviewed by McDaniel, Earl W., AO 17: 497
- Generation and measurement of 200 femtosecond optical pulses (A), JOSA 68: 666
- Generation of broadly tunable picosecond light pulses in the near infrared by synchronous pumping (A), JOSA 68: 664
- Generation of intense ultrashort pulses at 10.6 μm (A), JOSA 68: 667
- High-*J* assignments in the 10.5-μm SF<sub>6</sub> spectrum: identification of the levels pumped by CO<sub>2</sub> P(12) and P(22) (E), OL 2: 97
- High-precision measurement of the hyperfine structure of the 620-cm<sup>-1</sup> metastable atomic level of <sup>235</sup>U by laser-rf double resonance (E), OL 4: 63
- High-precision measurement of <sup>235</sup>U ground-state hyperfine structure of laser-rf double resonance (E), OL 4: 35
- High-resolution laser spectroscopy (A), JOSA 68: 623
- High-resolution laser spectroscopy in the vacuum ultraviolet (A), JOSA 68: 677
- High-Resolution Laser Spectroscopy, Volume 13. Edited by K. Shimoda (B), Reviewed by Byer, Robert L., JOSA 67: 850
- High-resolution vacuum ultraviolet spectroscopy using a spontaneous anti-Stokes light source (A), JOSA 68: 1422
- High-sensitivity laser wavelength-modulation spectroscopy (E), OL 1: 115
- Hydroxyl and its concentration profile in methane-air flames (E), AO 18: 4138
- Hyperfine structure of excited, odd-parity levels in <sup>139</sup>La by laser-atomic-beam fluorescence (E) (L), JOSA 68: 1348
- Identification of excited state in Na<sub>2</sub> by two-step polarization labeling (A), JOSA 68: 1412
- Improved sensitivity of tunable-diode-laser open-path trace gas monitoring systems (E), AO 18: 3438
- Inert-gas broadening of highly excited Na atomic states (A), JOSA 67: 1418
- Infrared laser-induced dehydrohalogenation of halogenated ethanes (A), JOSA 68: 1642
- Infrared laser-induced photochemistry at low temperatures (A), JOSA 68: 693
- Infrared photodissociation of halogenated ethanes and ethylenes: vibrational energy distribution in the HF fragment (A), JOSA 68: 693
- Infrared-radiofrequency double resonance (A), JOSA 69: 1397
- Infrared-single-photon absorption reaction chemistry in the solid state: SiH<sub>4</sub>/UF<sub>6</sub> (A), JOSA 68: 1644
- Intercomparison of CO<sub>2</sub> and HCN wave numbers at 800-600 cm<sup>-1</sup> with a diode laser spectrometer (E) (L), AO 18: 2918
- Intracavity dye laser photoactivation of chemical reactions (A), JOSA 68: 694
- Intracavity dye laser spectroscopy studies of the Ba + N<sub>2</sub>O, Ca + N<sub>2</sub>O + CO, and Sr + N<sub>2</sub>O + CO reactions (E), AO 16: 2102
- Ionization studies in Ba vapor (A), JOSA 68: 1412
- Kilometer-path low-temperature multiple-reflection cell for laser spectroscopy using tunable semiconductor diodes (E), AO 17: 2511
- Large cross-section measurements of the laser-induced collision (A), JOSA 68: 1422
- Laser absorption spectroscopy of rotation-vibration bands of unstable molecules (A), JOSA 67: 1387
- Laser and Coherence Spectroscopy. Edited by Jeffery I. Steinfeld (B), Reviewed by Daily, John W., AO 17: 3855
- Laser detection and excitation of atomic hydrogen (A), JOSA 68: 1412
- Laser Doppler spectroscopy with smoothened spectral line shapes (P), AO 18: 751
- Laser-induced fluorescence excitation spectroscopy of van der Waals molecules (A), JOSA 67: 1387
- Laser-induced inelastic collisions (A), JOSA 69: 1397
- Laser-induced molecular elimination reactions (A), JOSA 68: 692
- Laser-initiated thermal isomerization of methyl isocyanide (A), JOSA 68: 1639
- Lasers and Coherence Spectroscopy. Edited by Jeffery I. Steinfeld (B), Reviewed by Leopold, Lutz, AO 18: A160
- Lasers in chemistry conference, Royal Institution, 31 May-2 Jun 1977 (M), Reported by West, Michael A., AO 16: 2346
- Laser Spectroscopy of Atoms and Molecules, Topics in Applied Physics, Volume 2. Edited by Herbert Walther (B), Reviewed by Byer, Robert L., JOSA 67: 850
- Laser Spectroscopy III. Edited by J. L. Hall and J. L. Carlsten (B), Reviewed by Schawlow, Arthur L., JOSA 68: 273
- Laser spectroscopy of neptunium; first ionization potential, lifetimes and new high-lying energy levels of Np I (E), JOSA 69: 733
- Laser spectroscopy of U I using stepwise excitation and fluorescence detection (E), JOSA 69: 256
- Laser spectroscopy with polarization selective heterodyne detection (A), JOSA 68: 1432
- Laser two-photon ionization spectroscopy: a new method for real-time monitoring of atmospheric pollutants (E), OL 4: 337
- Linear optical Ramsey resonance by means of a spatially modulated molecular beam (A), JOSA 68: 1634
- Linear scan control of tunable lasers using a scanning Fabry-Perot (E), AO 18: 1505
- Line-broadening studies of highly excited Rb atoms (A), JOSA 67: 1418
- Localization (A), JOSA 68: 678
- Measurement of picosecond fluorescence by a streak-camera operating at a repetition rate of 140 MHz (A), JOSA 68: 665
- Measurements of velocity-changing collisions using two-photon spectroscopy with a resonant intermediate state (A), JOSA 68: 1412
- Measuring the velocity of individual atoms in real time (T), OL 2: 30
- Multiphoton spectroscopy of highly excited states in Ti (A), JOSA 67: 1417
- Multiphoton ultraviolet photodissociation of ammonia and silane (A), JOSA 68: 1422
- Multiple pulse technique for producing an absolute vacuum using radiation pressure (A), JOSA 68: 698
- Nature of collisionless dissociation of polyatomic molecules (A), JOSA 68: 694
- New measurement of the Rydberg constant using polarization spectroscopy of Balmer-α (A), JOSA 68: 1411
- Observation of radiative collisional fluorescence (A), JOSA 68: 1422
- Observation of ultranarrow Ramsey fringes in two-photon transitions to Rydberg levels in a rubidium atomic beam (A), JOSA 68: 1635
- Optical absorptions of light and heavy water by laser optoacoustic spectroscopy (ET,R), AO 18: 3348
- Optical energy and spatial filter for high local resolution Raman spectroscopy with giant pulse lasers (ET), AO 18: 357
- Optical mixing on the BaTiO<sub>3</sub> soft *E* polariton mode (A), JOSA 68: 682
- Overtone spectra of PH<sub>3</sub> using tunable infrared source (A), JOSA 67: 1440
- Photon echoes in plasmas: collisional relaxation in helium on 2<sup>3</sup>S<sub>1</sub>-3<sup>3</sup>P<sub>012</sub> (ET), OL 3: 170
- Picosecond photon echoes and self-induced transparency in Na (A), JOSA 68: 1630
- Picosecond spectroscopy of concentration dependent relaxation processes in solutions (A), JOSA 68: 683
- Picosecond studies of excited-state proton transfer reactions: the laser pH jump (A), JOSA 68: 1630
- Precision laser photodetachment spectroscopy in magnetic fields (A), JOSA 68: 624
- Precision spectroscopy using frequency-controlled dye lasers (A), JOSA 68: 1411
- Pressure-broadened linewidths in the 2.5-μ band of HF and the influence of polymer formation (E), JOSA 69: 1546
- Pressure-broadened linewidths of the R(9,5)<sub>3/2</sub> NO transition (E), AO 17: 1606
- Production de vapeur d'uranium par pulvérisation cathodique dans une cathode creuse: efficacités relatives des gaz Ne, Ar, Kr et concentration a l'état <sup>5</sup>L<sub>6</sub><sup>0</sup> (E), AO 17: 2507
- Remote detection of CARS employing fiber optic guides (E) (L), AO 18: 3215
- Remote measurement of tropospheric ozone (E) (L), AO 18: 3363
- Resonance fluorescence in a three-level system (A), JOSA 67: 1417
- Role of direct free-hole transitions in the reflectivity and transient optical properties of Ge (A), JOSA 68: 681
- Rotational redistribution effect on saturated laser-induced fluorescence (T) (L), AO 18: 2093
- Rydberg atom spectroscopy (A), JOSA 68: 645
- Saturation in laser excited atomic fluorescence spectrometry: experimental verification (ET), AO 18: 1804
- Self-broadening and shifts of high Rydberg states in rubidium (A), JOSA 69: 1406
- Single pulse picosecond fluorescence studies in bacteriorhodopsin (A), JOSA 68: 692
- Spectroscopic analysis of the transverse excited C<sup>3</sup>Π<sub>u</sub>-B<sup>3</sup>Π<sub>g</sub>(0-0) UV laser band of N<sub>2</sub> at room temperature: comments (ET) (L), AO 18: 1705
- Spectroscopy of <sup>12</sup>CF<sub>4</sub> features near the 9-μm <sup>12</sup>C<sup>16</sup>O<sub>2</sub> R[10], R[12], and R[18] lines by CO<sub>2</sub>-laser and diode-laser spectroscopy (E), OL 3: 241
- Spectroscopy of even-parity autoionizing states of Ba (A), JOSA 68: 1412
- Spectroscopy of even-parity autoionizing levels in Ba (ET), OL 4: 106
- Stable cw waveguide CO<sub>2</sub> laser for high-resolution saturation spectroscopy: application to the ν<sub>3</sub> band of SF<sub>6</sub> (A), JOSA 68: 624
- State-to-state reaction rates of laser-excited strontium atoms with hydrogen halides (A), JOSA 68: 695
- Steady-state atomic fluorescence radiance expressions for continuum excitation (T), AO 17: 2291
- Stepwise laser photoionization of molecules in a mass spectrometer: a new method for probing and detection of polyatomic molecules (E), OL 3: 37
- Structure of saturation resonances induced by laser optical pumping in atomic barium (A), JOSA 68: 649
- Subpicosecond pulse generation in the synchronously mode-locked cw dye laser (A), JOSA 68: 666
- Tests for parity violation in atomic physics employing laser spectroscopy (A), JOSA 68: 1411
- The ν<sub>2</sub> band of N<sub>2</sub>O as a frequency standard in the 17-μm region of the infrared (ET) (L), AO 18: 1136
- Theoretical problems in multiple-photon laser chemistry (A), JOSA 68: 693
- Time-resolved fluorimetry via a new cross-correlation method (ET), AO 18: 1913
- Tunable diode laser spectroscopic determination of ν<sub>3</sub> band center of <sup>14</sup>C<sup>16</sup>O<sub>2</sub> at 4.5 μm (ET) (L), AO 16: 3072
- Tunable diode laser spectroscopy of <sup>14</sup>CO<sub>2</sub>: absorption coefficients and analytical applications (E) (L), AO 16: 2350
- Tunable diode laser spectroscopy in the infrared: some practical considerations of techniques and calibration with ν<sub>2</sub> lines of HCN (E), AO 18: 1350



- Two-photon spectroscopy in helium (A), JOSA 68: 1411
- Ultrafast two-step spectroscopy. a new method to measure energy states in  $S_0$  and  $S_1$  of large polyatomic molecules (A), JOSA 68: 680
- Ultrahigh ( $10^{-4}$  cm $^{-1}$ ) resolution study of the 8.2- $\mu$ m and 11.3- $\mu$ m bands of  $H_2SO_4$ : accurate determination of absorbance and dissociation constants (ET), AO 17: 1723
- Use of rate equations to describe laser excitation in flames (T), AO 16: 2322
- Velocity-changing collisions: effects on two-photon and stepwise absorption lineshapes (A), JOSA 69: 1397
- Very high deuterium isotopic selectivity in IR multiple-photon dissociation of trifluorodichloroethane (A), JOSA 68: 1422
- Vibrational predissociation of van der Waals molecules (A), JOSA 68: 694
- Vibrational relaxation time measurements via CRIIF (A), JOSA 68: 679
- Wavenumber calibration of tunable diode lasers using etalons (E) (L), AO 17: 851
- ### Spectroscopy, laser Raman
- Applications of Laser Raman Spectroscopy. By Stanley K. Freeman (B), Reviewed by Green, J. H. S., AO 13: 11A23
- Laser Raman Gas Diagnostics. Edited by Marshall Lapp and C. M. Penney (B), Reviewed by Abramowitz, Stanley, AO 15: A16
- Laser Raman spectroscopy of transfer RNA molecules (A), JOSA 65: 1164
- Temperature dependence and cross sections of some Stokes and anti-Stokes Raman lines in ice Ih (E), AO 14: 2116
- ### Spectroscopy, molecular
- Absolute integrated intensity for the 3.44- $\mu$ m  $NO_2$  band (E), AO 15: 2551
- Absolute transition probability data for the CN violet band system (A), JOSA 67: 1432
- Absorption characteristics of the  $\gamma$ -0 band of nitric oxide (TE), AO 17: 1290
- Absorption characteristics of the  $\gamma$ -0 band of nitric oxide: comments (T) (L), AO 18: 419
- Absorption characteristics of the  $\gamma$ -0 band of nitric oxide: reply to comments (T) (L), AO 18: 419
- Absorption coefficients for the ClO (A-X) band system and dissociation continuum (A), JOSA 66: 1064
- Absorption curve of the 607- $\mu$ m line in benzene (E) (L), AO 17: 2876
- Adiabatic pressure dependence of the 2.7 and 1.9  $\mu$ m water vapor bands (E), JOSA 67: 1532
- Apparent linewidth of the  $N_2^+$  first negative band (A), JOSA 66: 1063
- Assignments for Vibrational Spectra of 700 Benzene Derivatives. By G. Varsanyi (B), Reviewed by Silverman, Shirleigh, AO 14: 2353
- Assignments for Vibrational Spectra of 700 Benzene Derivatives. By G. Varsanyi (B), Reviewed by Fately, William G., JOSA 65: 745
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- Atomic and molecular emission from microwave discharge through beryllium chloride (E), JOSA 65: 318
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- Brillouin spectrum of solid methane and determination of elastic and elasto-optical properties (A), JOSA 68: 1402
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- Carbon dioxide laser saturation of internal-vibrational modes of molecular impurities in alkali halides (E), OL 3: 112
- Collisional narrowing: its effect on the equivalent widths of spectral lines (T), AO 15: 714
- Collisionless intramolecular vibrational relaxation in  $SF_6$  (A), JOSA 69: 373
- Concentration dependence of picosecond molecular reorientation (A), JOSA 69: 1480
- Crawford, Bryce awarded Lippincott Medal (N), AO 17: 2824
- Diatomic Molecules: A Critical Bibliography of Spectroscopic Data; Volume I, By R. F. Barrow (B), Reviewed by Howard, John N., AO 16: A11
- Diode laser- $CO_2$  laser heterodyne spectrometer: measurement of  $2sQ(1,1)$  in  $2\nu_2 - \nu_2$  of  $NH_3$  (E), AO 18: 1808
- Diode laser spectroscopy of foreign-gas-broadened sulfuric acid ( $H_2SO_4$ ) vapor (E) (L), AO 17: 173
- Direct measurement of OH local concentration in a flame from the fluorescence induced by a single laser pulse (ET), AO 18: 354
- Distortion effects in measurements of long optical lifetimes (TE), JOSA 67: 1218
- Doppler-limited molecular spectroscopy by difference-frequency mixing (E), JOSA 64: 1683
- Effects of molecular rotation and vibration-rotation interaction on collisionless multiple-photon excitation of  $SF_6$  (T), OL 2: 151
- Emission spectra of the  $CO_2^+$  ion: spectroscopic studies and fluorescence quantum yields (A), JOSA 66: 1063
- Emission spectrum of nitric oxide between 5  $\mu$ m and 7  $\mu$ m (E) (L), AO 15: 699
- Emission study of the shock-excited blue-green band system of ScO (A), JOSA 67: 1432
- Evidence of tumbling multiplets in saturation absorption spectra of  $SiF_4$  (T), OL 4: 90
- Experiments with a diode laser spectrometer (A), JOSA 69: 1480
- Extinction coefficient of the  $R_{1/2}(25/2)$  NO transition at the 8-7 P(11) CO laser line (E) (L), AO 18: 597
- Fabry-Perot interferograms of periodic spectra of molecules with large rotational constants (T) (L), JOSA 65: 219
- Far-infrared high-resolution Fourier transform spectrometer: applications to  $H_2O$ ,  $NH_3$ , and  $NO_2$  lines (E), AO 15: 708
- Far-infrared-submillimeter spectroscopy of solids (A), JOSA 67: 1431
- Fine structure of the  $N_2^+$  first negative band (A), JOSA 66: 1063
- Focused, multiple-pass cell for Raman scattering (E), AO 13: 186
- Fourier IR spectroscopy of matrix isolated unstable molecules (A), JOSA 68: 1401
- Fourier transform method for calculating the transmittance of inhomogeneous atmospheres (T), AO 18: 3426
- Frequency measurement of the 260-THz (1.15- $\mu$ m) He-Ne laser (E), OL 4: 129
- High resolution atmospheric transmission calculations down to 28.7 km in the 200-243-nm spectral range (TE), AO 18: 964
- High-resolution diode-laser spectroscopy of the 949.2 cm $^{-1}$  band of ethylene, JOSA 65: 579
- High-resolution electronic emission spectrum of molecular nitrogen at 15300 Å (E), JOSA 68: 432
- High-resolution emission spectra of excited NO (A), JOSA 65: 1164
- High-resolution Fourier transform infrared measurements of nitric oxide emission (A), JOSA 66: 1093
- High-resolution interferometer for atmospheric trace molecule spectroscopy (ATMOS) (A), JOSA 68: 1390
- High-resolution methane  $\nu_3$ -band spectra using a stabilized tunable difference-frequency laser system, JOSA 66: 97
- High resolution molecular spectroscopy, 2nd All-Union Symposium, Novosibirsk, 11-13 Sep 1974 (M), Reported by Hougen, Jon T., AO 14: 8
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- High resolution spectral measurement of the  $HNO_3$  5.9- $\mu$ m band using a tunable diode laser (E), AO 18: 4152
- High-resolution spectrum of the  $B^3\Sigma_u^- \rightarrow B^3\Pi_g$  (infrared afterglow) system of  $N_2$  (A), JOSA 66: 1064
- High-resolution transient-double-resonance spectroscopy in  $SF_6$  (ET), OL 1: 51
- High sensitivity point monitoring of ozone, and high resolution spectroscopy of the  $\nu_3$  band of ozone using a tunable semiconductor diode laser (E), AO 18: 1198
- High temperature absorption in the 10.4- $\mu$ m band of  $CO_2$  (ET), AO 18: 378
- Hydroxyl and its concentration profile in methane-air flames (A), JOSA 69: 1480
- Hydroxyl and its concentration profile in methane-air flames (E), AO 18: 4138
- Hyperfine splitting of the  $^{13}CH_4$  line at 3.39  $\mu$ m observed by laser-saturated absorption (E), OL 4: 214
- Identification of Molecular Spectra. By R. W. B. Pearse and A. G. Gaydon (B), Reviewed by Davis, Sumner P., JOSA 67: 1129
- Improved sensitivity of tunable-diode-laser open-path trace gas monitoring systems (E), AO 18: 3438
- Infrared absorption bands of  $\alpha$ - and  $\beta$ -pinenes in the 8-14- $\mu$ m atmospheric window region (E), AO 18: 3434
- Infrared absorption coefficient of  $H_2SO_4$  vapor from 1190 to 1260 cm $^{-1}$  (E), JOSA 67: 624
- Infrared band intensities in ammonium hydroxide and ammonium salts (E), JOSA 68: 429
- Infrared methane spectra between 1120 cm $^{-1}$  and 1800 cm $^{-1}$ : a new atlas (ET), AO 18: 3798
- Infrared vibration-rotation spectra of the ClO radical using tunable diode laser spectroscopy (E) (L), AO 17: 1301
- In-situ line shape corrected measurement of nitric oxide in combustion (A), JOSA 68: 1402
- Interferometric studies of internal rotation (A), JOSA 64: 1363
- Laboratory and atmospheric measurements of  $HNO_3$  to determine the amount of this constituent in the earth's atmosphere (E), AO 18: 3400
- Laser absorption spectroscopy of rotation-vibration bands of unstable molecules (A), JOSA 67: 1387
- Laser detection of photochemical fragments produced by a tunable vacuum ultraviolet flash lamp (A), JOSA 68: 641
- Laser  $NO_2$  fluorescence measurements in flames (E), AO 17: 1099
- Laser optoacoustic absorption spectra for various explosive vapors (E), AO 17: 2097
- Laws of optics at high irradiance. II. Experiments with  $SF_6$  at normal incidence (E), JOSA 67: 734
- Lippincott medal (N), AO 15: 494
- Measurement of oscillator strengths for the  $W^3\Delta_u - X^1\Sigma_g^+$  band system of molecular nitrogen (A), JOSA 68: 1402
- Measurements of the optical constants of liquid  $H_2O$  and  $D_2O$  between 6 and 450 cm $^{-1}$  (E), JOSA 67: 902
- Midinfrared spectra of planetary surface minerals (A), JOSA 66: 1081
- Modulated transmission spectroscopy of gaseous chemi-excited Ca and Sr monoxides (E), AO 16: 2108
- Molecular and atomic lifetime measurements (A), JOSA 66: 1071
- Molecular constants of the electronic states of diatomic molecules (A), JOSA 68: 1404
- Molecular rotational and vibrational relaxations of  $D_2O$  (A), JOSA 68: 1403
- Molecular Spectroscopy. By Ira N. Levine (B), Reviewed by Young, Louise D. Gray, JOSA 65: 1389
- Molecular spectroscopy, course, Kingston Polytechnic (N), AO 13: 1638
- Molecular Spectroscopy: Modern Research. Volume 2. Edited by K. Narahari Rao (B), Reviewed by Kirchhoff, W. H., AO 17: 3514
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- Molecules Diatomiques; Bibliographie Critique de Données Spectroscopiques. Diatomic Molecules; a Critical Bibliography of Spectroscopic Data. Edited by R. F. Barrow (B), Reviewed by Krupenie, Paul H., AO 14: A19
- Mulliken, Robert S., Selected Papers of. Edited by D. A. Ramsey and J. Hinze (B), Reviewed by Gold, Albert, JOSA 66: 508
- Multiple-photon absorption of 16- $\mu$ m radiation in  $\text{UF}_6$  at 300 K (E), OL 4: 216
- Near-infrared spectrum of the ionic molecular nitrogen Meinel system  $\text{A}^2\Pi_u \rightarrow \text{X}^2\Sigma_g^+$  (A), JOSA 69: 1459
- Near-IR Fourier transform spectra of TiO and ZrO (A), JOSA 66: 1093
- New trends in the application of Fourier transform infrared spectroscopy to analytical chemistry (ET), AO 17: 1400
- Normalized fluorescence spectra (A), JOSA 66: 1064
- Observation of the anomalous Zeeman effect in  $^1\Sigma$   $\text{CO}_2$  and  $\text{N}_2\text{O}$  (A), JOSA 65: 1163
- OH spectroscopy using a cw tunable laser (A), JOSA 68: 634
- Optical constants of  $\text{D}_2\text{O}$  in the infrared (E), JOSA 68: 815
- Optical Spectra of Transparent Rare Earth Compounds. By S. Hufner (B), Reviewed by Conway, John G., JOSA 69: 1188
- Optical time-of-flight studies of multiple-photon dissociation processes (A), JOSA 68: 640
- Optoacoustic measurements of energy absorption in  $\text{CO}_2$  TEA-laser-excited  $\text{SF}_6$  at 293 and 145 K (E), OL 1: 25
- Ozone spectroscopy with a  $\text{CO}_2$  waveguide laser (E) (L), AO 15: 2597
- Photoionization study of multiphoton-excited  $\text{SF}_6$  in a molecular beam (E), OL 4: 219
- Pressure-broadened linewidths in the 2.5- $\mu$  band of HF and the influence of polymer formation (E), JOSA 69: 1546
- Pressure-broadened linewidths of the  $\text{R}(9.5)_{3/2}$  NO transition (E), AO 17: 1606
- Profile measurements of  $\text{CH}_4$  saturated absorption using  $\text{CH}_4$  stabilized laser spectrometer (A), JOSA 68: 1403
- Quantum efficiency independence of the integrated emission from a fluorescent molecule (A), JOSA 66: 1064
- Radiative lifetime measurement in ZrO (A), JOSA 68: 1401
- Radiative lifetime of the  $\text{A}^2\sigma$  state of  $\text{CH}^+$  (E) (L), JOSA 67: 118
- Raman and infrared studies toward liquid relaxation processes (A), JOSA 68: 1431
- Raman spectra of CO adsorbed on oriented nickel surfaces (A), JOSA 69: 1480
- Reaction energy distribution studied by a laser resonant absorption method (A), JOSA 65: 1162
- Relative band strengths of the bands of ( $B-X$ ) system of ScO molecule (A), JOSA 66: 1064
- Rotational and predissociation lifetimes of the  $\text{A}^2\Sigma^+$  state of OD (E), JOSA 65: 1368
- Rotational temperature of diatomic sulfur in microwave discharges (A), JOSA 69: 1481
- Rotational-vibrational transition moments in excited states of spherical-top molecules (T), OL 1: 214
- Spectral Atlas of Nitrogen Dioxide: 5530 to 6480  $\text{\AA}$ . By Donald K. Hsu, David L. Monts, and Richard N. Zare (B), Reviewed by Bird, George R., AO 17: 3190
- Spectral Atlas of Nitrogen Dioxide 5530 to 6480  $\text{\AA}$ . By Donald K. Hsu, David L. Monts, and Richard N. Zare (B), Reviewed by Peck, Edson R., JOSA 68: 1456
- Spectra of  $\text{N}_2^+$  first negative and Meinel bands (A), JOSA 67: 1431
- Spectroscopic analysis of the transverse excited  $\text{C}^3\Pi_u \rightarrow \text{B}^3\Pi_g$  (0-0) UV laser band of  $\text{N}_2$  at room temperature, AO 17: 3081
- Spectroscopic Data, 1. Heteronuclear Diatomic Molecules, Parts A and B. Edited by S. N. Suchard (B), Reviewed by Paul, F. W., JOSA 65: 1384
- Spectroscopic Data, Parts A & B: Heteronuclear Diatomic Molecules. Edited by S. N. Suchard (B), Reviewed by Maki, Arthur G., AO 14: 2569
- Spectroscopic Data, Volume 2, Homonuclear Diatomic Molecules. Edited by S. N. Suchard and J. E. Melzer (B), Reviewed by Young, Louise D. Gray, JOSA 67: 985
- Spectroscopy of  $^{12}\text{CF}_4$  features near the 9- $\mu\text{m}$   $^{12}\text{C}^{16}\text{O}_2$  R[10], R[12], and R[18] lines by  $\text{CO}_2$ -laser and diode-laser spectroscopy (E), OL 3: 241
- Spectroscopy of the  $\text{CF}_4$  laser (E), OL 4: 274
- Steady state molecular luminescence radiance expressions assuming narrowband excitation (T), AO 17: 3482
- Sub-Doppler resolution spectroscopy of supersonic molecular beams of nitric oxide (A), JOSA 68: 625
- Temperature dependence of  $\text{CO}_2$  linewidths and intensities (A), JOSA 68: 1403
- Temperature dependence of collision-induced absorption in gaseous  $\text{N}_2$  (TE), JOSA 69: 386
- Temperature measurements of OH and  $\text{N}_2$  in premixed laminar flames by laser techniques (A), JOSA 68: 1403
- The  $\nu_2$  band of  $\text{N}_2\text{O}$  as a frequency standard in the 17- $\mu\text{m}$  region of the infrared (ET) (L), AO 18: 1136
- Theory of Rotating Diatomic Molecules. By M. Mizushima (B), Reviewed by Hougen, Jon T., AO 15: 564
- Theory of Rotating Diatomic Molecules. By Masataka Mizushima (B), Reviewed by Young, Louise D. Gray, JOSA 66: 980
- Two-level model for near saturated fluorescence in diatomic molecules (T), AO 18: 856
- Van Vleck's principle of spectroscopic stability: molecular applications (A), JOSA 66: 1065
- Vibrational constants of the electronic states of the  $\text{CH}^+$  molecule (A), JOSA 67: 1432
- Vibrational energy transfer studies using SERS as a tunable IR excitation source (A), JOSA 68: 655
- Vibrational Spectra and Structure. Volume 2. Edited by James R. Durig (B), Reviewed by Abramowitz, Stanley, AO 15: A16
- Vibrational Spectra and Structure, Volume 2. Edited by James R. Durig (B), Reviewed by Tobin, Marvin C., JOSA 65: 970
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- Vibrational Spectra and Structure. A Series of Advances, Volume 4. Edited by James R. Durig (B), Reviewed by Kelley, Paul L., JOSA 66: 1444
- Vibrational Spectra of Polyatomic Molecules. By L. M. Sverdlov, M. A. Kovner, and E. P. Krainov (B), Reviewed by Green, J. H. S., AO 14: 2352
- Vibrational Spectra of Polyatomic Molecules. By L. M. Sverdlov, M. A. Kovner, and E. P. Krainov (B), Reviewed by Williams, Dudley, JOSA 64: 1348
- Vibrational Spectroscopy of Trapped Species. Edited by H. E. Hallam (B), Reviewed by Eggers, David F., Jr., JOSA 65: 101
- Vibrational States. By S. Califano (B), Reviewed by Green, J. H. S., AO 15: 2605

## Spectroscopy, Raman

- See also Raman effect, Spectroscopy, Laser Raman
- Absolute CARS conversion efficiency and focusing measurements with single-mode laser sources (A), JOSA 69: 1476
- Absolute Raman frequency measurement using CARS (A), JOSA 67: 1397
- Absolute Raman frequency measurement of the  $Q(2)$  line in  $\text{D}_2$  using cw CARS (E), OL 1: 149
- Advances in Infrared and Raman Spectroscopy, Volume 1. Edited by R. J. H. Clark and R. E. Hester (B), Reviewed by Green, J. H. S., AO 15: 843
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- Advances in Infrared and Raman Spectroscopy, Volume 5. Edited by R. J. M. Clark and R. E. Hester (B), Reviewed by Tobin, Marvin C., AO 18: 1538
- Application of Raman spectroscopy to the study of a hydrogen laminar diffusion flame in air (A), JOSA 67: 1397

- Applications of Laser Raman Spectroscopy. By Stanley K. Freeman (B), Reviewed by Lauer, James L., JOSA 64: 1150
- Augmented coherent anti-Stokes Raman spectroscopy linewidth parameter from laser-mode structure (T), OL 4: 401
- Backward Raman gain and pulse compression of KrF laser radiation scattered by  $\text{CH}_4$  (A), JOSA 68: 663
- Coherent anti-Stokes Raman spectroscopy: spectra of water vapor in flames (TE), OL 4: 87
- Coherent anti-Stokes Raman spectroscopy measurements in a bluff-body stabilized diffusion flame (E) (L), AO 18: 2343
- Coherent anti-Stokes Raman spectroscopy measurements in an internal combustion engine (E), AO 18: 3819
- Coherent, nonlinear two-phonon Raman spectra of diamond (E), OL 3: 178
- Coherent Raman bag of tricks (A), JOSA 66: 1117
- Coherent Raman beat spectroscopy (A), JOSA 66: 1109
- Collector size or range independence of SNR in fixed-focus remote Raman spectrometry (T), AO 13: 1615
- Continuously tunable optical filter for use in resonance Raman spectroscopy (E), AO 16: 252
- Determination of the potential functions for molecules with anharmonic vibrations (A), JOSA 67: 1422
- Double-beam Raman difference spectroscopy (E) (L), AO 16: 2044
- Efficient higher-order Stokes-Raman shifting in molecular gases (A), JOSA 69: 1477
- Excited-state geometry from resonance Raman data (A), JOSA 68: 1433
- Filter spectrograph (P), AO 14: 2038
- First- and second-order coherent Raman scattering with three laser frequencies (A), JOSA 68: 633
- Focused, multiple-pass cell for Raman scattering (E), AO 13: 186
- Focused multiple-pass cell for Raman scattering: reply to comment (E) (L), AO 13: 1739
- Focused multiple-pass cell for Raman scattering: comment (ET) (L), AO 13: 1739
- Four-photon polarization spectroscopy: application to the study of motionally narrowed Raman lines and two-photon absorption processes in liquids (A), JOSA 68: 667
- Gas temperature and centrifugal distortion constant determination from profiles of rotational Raman interferometric spectra (TE), JOSA 66: 801
- Generation of enhanced coherent anti-Stokes Raman spectroscopy signals in liquid-filled waveguides (E), OL 4: 227
- High-resolution CARS line-shape function (A), JOSA 68: 648
- High-resolution coherent Raman Stokes spectroscopy of methane and intensity versus pressure (A), JOSA 68: 627
- High-resolution cw stimulated Raman spectroscopy (A), JOSA 68: 706
- High-resolution cw stimulated Raman spectroscopy of gases (A), JOSA 68: 1432
- High-resolution cw stimulated Raman spectroscopy in molecular hydrogen (E), OL 2: 91
- High-resolution Raman spectra of acetylene and the deuterated acetylenes (A), JOSA 67: 1397
- High-resolution Raman spectrum of benzene vapor (A), JOSA 67: 1397
- Hypersensitization by baking of certain Kodak photographic plates for use in high-resolution Raman spectroscopy (E), AO 15: 423
- Infrared and Raman Spectroscopy of Lunar and Terrestrial Minerals. Edited by Clarence Karr, Jr. (B), Reviewed by Green, J. H. S., AO 15: 1894
- Infrared and Raman Spectroscopy, Part A, (Practical Spectroscopy Series, Volume 1). Edited by Edward G. Brame, Jr. and Jeanette Grasselli (B), Reviewed by Hirschfeld, Tomas, JOSA 67: 710
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- Infrared and Raman Spectroscopy, Part B. Volume 1. Edited by Edward G. Brame, Jr., and Jeanette G. Grasselli (B), Reviewed by Silverman, Shirley, AO 16: 2599



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- Infrared and Raman Spectroscopy, Volume 1, Part C. Edited by Edward G. Brame, Jr., and Jeanette G. Grasselli (B), Reviewed by Mantsch, Henry H., AO 17: 1848
- Inherent obstacles in determining the structure of water from vibrational spectroscopic data (A), JOSA 68: 1448
- Instrument for high resolution spectral analysis with large optical throughput (P), AO 15: 1347
- International Conference, fourth, abstracts of technical papers (N), AO 14: 991
- Introduction to Infrared and Raman Spectroscopy. By Norman B. Colthup, Lawrence H. Daly and Stephen E. Wiberley (B), Reviewed by Green, J. H. S., AO 15: 2014
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- Low-frequency Raman spectra of silica fibers (A), JOSA 68: 1383
- Luminescence rejection in Raman spectroscopy (E) (L), AO 15: 2969
- Measurement of gas properties: comments on the laser Raman workshop (M), Reported by Lapp, Marshall; Penney, C. M., AO 13: 9A14
- New instrumentation for Raman spectroscopy (A), JOSA 66: 1106
- New interference effects in the third-order nonlinear susceptibility,  $\chi^{(3)}$  (A), JOSA 66: 1118
- Observation of stimulated anti-Stokes Raman pulses from  $\text{CS}_2$  (A), JOSA 69: 1477
- Optical energy and spatial filter for high local resolution Raman spectroscopy with giant pulse lasers (ET), AO 18: 357
- Photoacoustical Raman spectroscopy (A), JOSA 68: 1433
- Polarization and interference effects in coherent active Raman spectroscopy (A), JOSA 68: 1432
- Premonochromator for stray light rejection in Raman spectroscopy (E), AO 16: 1085
- Pressure dependence of integrated CARS power (ET), AO 17: 1418
- Pulsed dye laser system for Raman and luminescence spectroscopy (E), AO 13: 1610
- Pulsed sequenced coherent anti-Stokes Raman spectroscopy (A), JOSA 69: 1477
- Pure rotational stimulated Raman photoacoustic spectroscopy (E), OL 4: 395
- Raman and infrared studies toward liquid relaxation processes (A), JOSA 68: 1431
- Raman spectra and magnetic moment of chromocene (A), JOSA 67: 1397
- Raman spectra associated with gas adsorption on Ni(110) (A), JOSA 68: 1448
- Raman spectra of CO adsorbed on oriented nickel surfaces (A), JOSA 69: 1480
- Raman spectroscopy at a binary liquid critical point (A), JOSA 68: 1448
- Raman Spectroscopy. By D. A. Long (B), Reviewed by Howard, John N., AO 17: A239
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- Raman Spectroscopy of Gases and Liquids. Edited by A. Weber (B), Reviewed by Harvey, Albert B., AO 18: 2745
- Range independence of signal in variable focus remote Raman spectrometry (TE), AO 13: 1435
- Remote detection of CARS employing fiber optic guides (E) (L), AO 18: 3215
- Removal of  $I_2$  absorption lines from 514-nm excited Raman spectra (E), AO 17: 1621
- Resonance Raman spectroscopy (A), JOSA 68: 1432
- Retrereflecting multipass cell for Raman scattering (E), AO 16: 2004
- Rotation-vibration Raman spectrum of water vapor (A), JOSA 67: 1397
- Sensitivity enhancement of a spin-flip Raman laser absorption spectrometer through use of an intracavity absorption cell (E), OL 1: 155
- Simple technique to suppress spurious luminescence in Raman spectroscopy (E) (L), AO 13: 1731
- Space- and time-resolved coherent anti-Stokes Raman spectroscopy for combustion diagnostics (E), OL 4: 211
- Spatially resolved coherent anti-Stokes Raman spectroscopy from a line across a  $\text{CH}_4$  jet (E), OL 4: 167
- Spectroscopy at very high pressures. 14: Laser Raman scattering in ultrasmall samples in a diamond anvil cell (E), AO 16: 2572
- Stimulated back-scattered Raman anti-Stokes effect in nitrobenzene and toluene (A), JOSA 65: 1181
- Stimulated Raman spectroscopy using low-power cw lasers (E), OL 1: 152
- Theoretical fitting of computer-processed laser Raman spectrum from methane- and propane-air flames (A), JOSA 68: 1448
- Third-order nonlinear optical spectroscopy in  $\text{CuCl}$  (A), JOSA 66: 1118
- Very-high-resolution CARS spectroscopy in a molecular beam (A), JOSA 68: 1433
- Wavelength-modulation Raman spectroscopy (A), JOSA 68: 646
- ### Spectroscopy, ultraviolet
- See also Ultraviolet entries
- Absolute calibrated solar UV intensities 1700 to 2100 Å (A), JOSA 64: 1375
- Analysis of the spectrum of four-times-ionized lutetium (Lu V) (TE), JOSA 68: 1529
- Cold-electron temperature measurements in ELMO by excitation rate ratios of vacuum ultraviolet transitions (E) (L), AO 13: 2003
- Continuous discharge Penning source with emission lines between 50 Å and 300 Å (E), AO 18: 649
- Even-parity autoionizing states in neutral sodium (350–400 Å) (ET), OL 4: 109
- Higher Excited States of Polyatomic Molecules. By Melvin B. Robin (B), Reviewed by Tobin, Marvin C., JOSA 65: 746
- High resolution atmospheric transmission calculations down to 28.7 km in the 200–243-nm spectral range (TE), AO 18: 964
- High-resolution vacuum ultraviolet spectroscopy using a spontaneous anti-Stokes light source (A), JOSA 68: 1422
- Holographic diffraction gratings used in normal incidence monochromators for synchrotron radiation (E) (L), AO 14: 2317
- Laser-produced plasma as a source of focused vacuum-ultraviolet continuum radiation (E), OL 4: 283
- Level structure and predicted intercombination lines in magnesium-like V XII, Cr XIII, Mn XIV, and Co XVI (T) (L), JOSA 69: 1391
- Measurement of the He  $1s2s\ ^1S_0$  isotopic shift using a tunable VUV anti-Stokes light source (E), OL 3: 162
- Photoabsorption spectrum of Mg I in the range 226–170 Å (54–70 eV) (E), JOSA 69: 520
- Photon-correlation spectroscopy in the near ultraviolet (E), OL 4: 222
- Spectrophotometry of the solar UV line spectrum with the NRL spectrograph on board Skylab (A), JOSA 64: 1375
- Spectrum and energy levels of eleven-times ionized zirconium (Zr XII) (E), JOSA 69: 1659
- Spectrum and energy levels of four-times ionized zirconium (Zr V) (E), JOSA 69: 239
- Spectrum and energy levels of ten-times ionized yttrium (Y XI) (E), JOSA 69: 1285
- Spectrum and energy levels of triply ionized lanthanum (La IV) (TE), JOSA 69: 511
- Spectrum of Al VII in the VUV (E), JOSA 65: 197
- $2s^2\ 2p^k-2s\ 2p^{k+1}$  transitions in the F I to Be I isoelectronic sequences of chromium, iron, and nickel from tokamak-produced plasmas (E), JOSA 69: 1652
- Stigmatic observations of laser-produced plasmas with a grazing-incidence spectrograph (E), OL 4: 187
- Studies of rotational lifetimes in CO with a tunable VUV laser (A), JOSA 67: 1441
- Ultraviolet and x-ray spectroscopy at astrophysical and laboratory plasmas, Harvard University (M), Reported by Lovell, D. J., AO 14: 7
- Ultraviolet spectroscopy with atomic beams (A), JOSA 68: 1446
- ### Spectroscopy, x-ray
- Diagnostics of Shiva Nova high-yield thermonuclear events (E), JOSA 68: 1731
- Diffraction properties of hydrogen-phthalate-crystals in the 0.1–2-nm region (E), AO 16: 578
- Laser-produced x-ray spectra of the fluorine isoelectronic sequence for Zn, Ge, and Se (E), JOSA 67: 741
- L-series satellite spectra in Ti XII and Fe XVI (E), JOSA 69: 1133
- Mean wavelength and spectral width of transition arrays in XUV atomic spectra (TE) (L), JOSA 68: 1136
- Properties of a transmission grating behind a grazing incidence telescope for cosmic x-ray spectroscopy (T), AO 16: 1425
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- Transmission grating efficiencies for wavelengths between 5.4 Å and 44.8 Å (E), AO 18: 368
- X-ray spectroscopy of plasmas from glass microspheres irradiated with 10  $\mu\text{m}$  laser light (A), JOSA 68: 547
- ### Standards
- Absolute methods for reflection measurements, report (N), AO 18: 4123
- Absolute radiometric calibration of detectors between 200–600 (E), AO 14: 1029
- Absolute reflectance of Eastman white reflectance standard (E) (L), AO 16: 2775
- Argon lines from electrodeless mercury-198 lamps (E) (L), AO 17: 506
- Argon miniarc as a secondary standard of VUV spectral radiance (A), JOSA 66: 1097
- ASTM publications (N), AO 13: 161
- Calibrating the light pulse shape of a hydrogen flashlamp using synchrotron radiation as a standard of excitation (E), AO 18: 1355
- Channel electron multipliers as secondary standard detectors at EUV wavelengths (E), AO 13: 1417
- Coherent transients by laser-acoustical diffraction spectroscopy (A), JOSA 68: 696
- Colorimetric data for samples of OSA uniform color scales (E), JOSA 68: 121
- Determination of the speed of light by absolute wavelength measurement of the  $R(14)$  line of the  $\text{CO}_2$  9.4- $\mu\text{m}$  band and the known frequency of this line (E), OL 1: 5
- Determination of the speed of light by absolute wavelength measurement of the  $R(14)$  line of the  $\text{CO}_2$  9.4- $\mu\text{m}$  band and the known frequency of this line (errata), OL 1: 140
- Deuterium lamp as a UV continuum source from 160 nm to 320 nm for space applications (E), AO 18: 3938
- Direct calibration of laser wavelength and bandwidth using the optogalvanic effect in hollow cathode lamps (E) (L), AO 16: 2617
- Doppler-free two-photon transitions to Rydberg levels: convenient, useful, and precise reference wavelengths for dye lasers (ET), OL 3: 141
- Doubly resonant intracavity generation of second harmonic of 1153-nm radiation with stabilization on hyperfine structure components of  $^{127}\text{I}_2$  (E), AO 18: 3970
- Electron paramagnetic resonance intensity standard: SRM-2601 (N), AO 18: 232
- Evaluating the inequivalence and a computational simplification for the NBS laser energy standards (TE), AO 16: 2315
- Extension of absolute-frequency measurements to the visible: frequencies of ten hyperfine components of iodine (E), OL 4: 263
- Fundamental constants exhaustive study (N), AO 13: 7A16
- Fundamental physical constants, new values (N), AO 13: 2642
- Gallium temperature reference standard (N), AO 17: 3575
- High-resolution saturated absorption of the  $^1S_0-^3P_1$  calcium transition in an atomic beam (A), JOSA 68: 1634
- Integrating spheres for measurements between 0.185  $\mu\text{m}$  and 12  $\mu\text{m}$  (E), AO 14: 1137
- Interferometric observations of Ar I in the photographic region (ET), JOSA 64: 1072
- International comparison of measurements of luminance factor and reflectance of white diffusing samples (E), AO 14: 2694
- Kubelka-Munk optical properties of a barium sulfate white reflectance standard (E), AO 16: 729
- Laser capable of producing a frequency standard (P), AO 18: A115
- Laser induced damage in optical materials: ninth ASTM symposium (R), AO 17: 2386
- Metameric white samples for testing the relative UV content of light sources and of natural daylight (E), AO 18: 1067



Miniature-lamp standards of luminous flux (N), JOSA 64: 897

Molybdenum high-temperature enthalpy and heat-capacity Standard Reference Material (N), AO 16: 2937

Munsell rennotations for samples of OSA uniform color scales (E) (L), JOSA 68: 1343

Nanosecond high radiance standard source (E), AO 13: 203

New measurement of the Rydberg constant using polarization spectroscopy of Balmer- $\alpha$  (A), JOSA 68: 1411

New scale of spectral irradiance (N), JOSA 64: 897

New transfer standard for VUV spectral-radiance calibrations (A), JOSA 64: 1805

Platinum standard reference thermoelement for calibration of base-metal and noble-metal thermocouple materials (N), AO 16: 2864

Precise interferometric laser wavelength measurements: status report (A), JOSA 67: 1413

Precision interferometer calibration technique for wavelength measurements: iodine wavelengths at 633 nm and  $H_{\alpha}$  (E), AO 18: 1983

Preparation of the OSA uniform color scales committee samples (E) (L), JOSA 68: 1141

Quantum efficiency of the  $p$ - $n$  junction in silicon as an absolute radiometric standard (T) (L), AO 18: 760

Radiation standards (E), AO 16: 300

Requirements for reflection standards and the measurement of their reflection values (ET), AO 14: 493

Retroreflectance measurements of photometric standards and coatings—II (A), JOSA 67: 252

Retroreflectance measurements of photometric standards and coatings (E), AO 15: 1845

Retroreflectance measurements of photometric standards and coatings. part 2 (E), AO 16: 2861

Retroreflectance properties of photometric standards with polarized laser radiation (A), JOSA 69: 1415

Set of uniform color standards (N), JOSA 67: 421

Solar cell spectral response characterization (E), AO 18: 3942

Solar constants and radiometric scales (T), AO 16: 1628

Spectral irradiance intercomparison (A), JOSA 67: 1412

Spectral irradiance standard for the ultraviolet (A), JOSA 66: 1097

Spectral irradiance standard for the ultraviolet: the deuterium lamp (E), AO 17: 593

Spectral radiance calibrations between 165–300 nm: an interlaboratory comparison (E) (L), AO 16: 1788

Spectral reference detector for the visible to 12- $\mu$ m region; convenient, spectrally flat (E), AO 15: 1865

Spectrometer calibration facility at NBS-SURF (A), JOSA 67: 1412

Sulfur as a proposed near infrared reflectance standard (E), AO 17: 2817

Time, atomic clocks (N), AO 13: 6A16

Use of ISO Test Chart #2 in microcopying (N), AO 18: 2494

Vacuum ultraviolet radiation scales: an accurate comparison between plasma blackbody lines and synchrotron radiation (E), AO 16: 2477

Vacuum ultraviolet radiometry below 100 nm: the high-power hydrogen arc as a standard source of continuum radiation between 53 nm and 92 nm (E), AO 18: 2586

Vacuum ultraviolet radiometry with hydrogen arcs. 2: The high power arc as an absolute standard of spectral radiance from 124 nm to 360 nm (E), AO 14: 2121

Vacuum ultraviolet radiometry. 3: The argon mini-arc as a new secondary standard of spectral radiance (E), AO 16: 367

Wavelength standards for use with a BRV source (E), AO 13: 2712

Whiteness formulas: a selection (T), AO 18: 1073

Windowless-diode radiometric transfer standards from 200 to 1200 Å (A), JOSA 64: 547

WWV and WWVH discontinue two frequencies (N), AO 16: 1203

## Stark effect

Atoms and Molecules in Electric Fields. By Nils Ryde (B), Reviewed by Lochte-Holtgreven, W., AO 16: 1775

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Collisional contributions to the dynamic Stark effect in coherently driven three-level systems (T), JOSA 68: 1293

High speed frequency modulation of far infrared lasers using the Stark effect (E), AO 16: 1893

Motional Stark effect spectroscopy in high magnetic fields (A), JOSA 68: 1631

## Stereoscopy

Artificial stereo (ET), AO 17: 3869

Artificial stereo images (A), JOSA 66: 1111

Binocular judgment of the direction in which an object is moving in depth (A), JOSA 65: 1179

Biostereometrics 74 symposium, Washington D.C., 10-13 Sep 1974 (M), Reported by Takasaki, Hiroshi, AO 14: 558

Choice of inks for printed anaglyphs (L), AO 16: 2586

Combined system of optical devices for photography and stereoscopic vision (P), AO 15: 2945

Compatible color 3-D TV system: a proposed design (T) (L), AO 18: 584

Connectedness and three dimensionality affect the time course of masking (A), JOSA 68: 1365

Context manipulates stereoscopic depth perception (A), JOSA 65: 1180

Direct recording and reconstruction of 3-D x-ray images (ET), AO 17: 3125

Direct recording and reconstruction of 3-D x-ray images: some experiments (ET), AO 18: 4039

Displays in hyperspaceform perception experiments (A), JOSA 68: 1420

Distortions in cylindrical holographic stereogram images (A), JOSA 68: 1440

Double modulation holographic recording technique (P), AO 18: A114

2-D restoration by decision-rule allocation of pseudograms (A), JOSA 64: 561

Dynamic contributions of the components of binocular vergence (E), JOSA 69: 639

Effect of meridional disparity on depth perception (E), JOSA 69: 99

Electronic generation (P), AO 18: 3554

Electronic processing of moiré fringes: application to moiré topography and comparison with photogrammetry (ER), AO 18: 563

Envelope interferometry for large-scale processing (T), AO 13: 2689

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Inclined prism ocular systems for stereomicroscope (P), AO 15: 835

Liquid crystal stereoscopic television system (P), AO 14: 1041

Measurements on images retrieved from holograms (TE), AO 13: 140

Motion effect and after effect that are contingent upon depth (A), JOSA 65: 1180

Multilayer 3-D display adapter (E) (L), AO 17: 3695

Optical system for a stereoscopic motion picture camera (P), AO 14: 1042

Picture tube for real-time monochrome stereo TV (T) (L), AO 16: 2042

Precision electronically controlled optical printer for 3-D stereophotomicro mapping (E), AO 13: 2253

Projection-type white-light reconstruction of 3-D images from a strip-shaped hologram (ET), AO 14: 3078

Quasi-microscope concept for planetary missions: stereo (E) (L), AO 17: 2130

Range of stereopsis (A), JOSA 68: 1365

Real-time transmission of a 3-D image using volume scanning and spatial modulation (ET), AO 16: 1675

Real-time transmission of 3-D images formed by parallax panoramagrams (TE), AO 17: 3895

Rectangular grid fringe pattern for topographic applications (ET) (L), AO 15: 597

Scanning moiré method and automatic measurement of 3-D shapes (E), AO 16: 2152

Shadowless moiré topography using a single source of light (E) (L), AO 13: 722

Stereopsis using a large aspheric field lens (ET) (L), AO 13: 739

Stereo television microscope (P), AO 14: 1041

Störungen der tiefenraumlichen Wahrnehmung und Wiedergabe (Distortions of 3-D Perception and Representation). By G. Rennert (B), Reviewed by Meyer-Arendt, Jürgen R., AO 17: 1158

Synthesis of an autostereoscopic 3-D image from binocular stereoscopic images (ET), AO 18: 4079

Synthesis of two-dimensional complex arrays with good correlation and other properties (A), JOSA 64: 1395

Three-dimensional camera (P), AO 17: 326

Three-dimensional imager (E), AO 16: 774

Three-dimensional imaging from a unidirectional hologram: wide-viewing-zone projection type (ET), AO 15: 1023

Three-Dimensional Imaging Techniques. By T. Okoshi (B), Reviewed by Condell, W. J., Jr., AO 17: 1477

Three-dimensional photography using incoherent light (P), AO 18: A224

Three-dimensional television (P), AO 16: 280

Three-dimensional television by texture parallax (T) (L), AO 17: 168

Three-dimensional television system (P), AO 17: 2262

Transmission of 3-D images by means of lens guides (E), AO 18: 2081

Twin-prism separator for retinal stereophotography (E) (L), AO 15: 29

## Strain analysis

See also Photoelasticity

Analysis of double-exposure speckle photography with two-beam illumination (TE), JOSA 64: 857

Dynamic laser speckle interferometry applied to transient flexure problem (E) (L), AO 16: 3085

Dynamic photoelastic surface transduction (A), JOSA 69: 1408

Effect of magnification change in laser speckle photography (TE), JOSA 68: 1742

Evaluation of the stress-optical coefficients of transparent solid plates using interferometry (TE), AO 18: 2975

Experimental implementation of the fringe vector method of holographic strain analysis (A), JOSA 66: 1085

Holographic interferometry: compensation for rigid body motion (ET), AO 15: 1558

Holographic strain analysis: an experimental implementation of the fringe-vector theory (ET), AO 17: 3613

Holographic strain analysis by fringe-localization planes (T) (L), JOSA 66: 627

Holographic strain analysis: extension of fringe-vector method to include perspective (T), AO 15: 725

Image-shearing camera for direct measurement of surface strains (ET), AO 18: 1046

Implementation of hologram interferometry with a continuously scanning reconstruction beam (ET), AO 17: 1727

Measurement of 3-D stress distribution by a scattered-light method using depolarized incident light (E), AO 18: 321

Measuring the complete surface strain field on rubber structures using an optical method (E), AO 16: 504

Measuring the displacement field inside a stressed sample (T) (L), AO 16: 813

Moiré interferometry strain measurements in elastic thin membranes (E), AO 18: 3841

Moiré strain analysis in cryogenic environments (E) (L), AO 18: 1886

Noncontacting method of measuring strain (P), AO 13: 8A26

Performing optical measurements in solids under variable uniaxial stress and temperature: a system (E), AO 13: 1971

Practical speckle interferometry for measuring in-plane deformation (E), AO 14: 878

Production of stress waves with nanosecond laser pulses (E) (L), AO 13: 1760

Statistical analysis of errors in holographic interferometry (T), AO 17: 2198

Strain analysis by one-beam laser speckle interferometry. 1: Single aperture method (TE), AO 15: 2205

Strain analysis by one-beam laser speckle interferometry. 2: Multiaperture method (TE), AO 18: 2175

Strain analysis to include perspective (A), JOSA 65: 1223



Strain components obtained from contrast measurement of holographic fringe patterns (ET), AO 16: 2543

Stress-optic coefficients of ZnSe (E), AO 14: 2432

Techniques of holographic displacement measurement: an experimental comparison (ET), AO 17: 1748

Techniques of holographic displacement measurement: an experimental comparison (errata), AO 17: 2873

White light speckle method of experimental strain analysis (E) (L), AO 18: 409

## Stratosphere

See also Atmospheres, Balloons, Temperature, Temperature profiles

Aerosol measurements since 1973 for normal and volcanic stratospheres (E) (L), AO 15: 1113

Aerosol tropospheric-stratospheric exchange (A), JOSA 67: 256

Altitude profiles of atmospheric aerosols obtained with the epsilon/AFGL balloon-borne sizing spectrometer (A), JOSA 67: 256

Comparison of airborne lidar results with a physical model of stratospheric aerosols (A), JOSA 67: 256

Comparison of extinction and backscattering coefficients for measured and analytic stratospheric aerosol size distributions (A), JOSA 67: 257

Doppler-free two-photon spectroscopy for monitoring stratospheric gases: an analysis (T), AO 15: 2654

Dustsonde and lidar measurements of stratospheric aerosols: a comparison (E), AO 13: 2416

Effect of horizontal Rayleigh air mass models on evaluation of stratospheric aerosol optical depth remote sensing measurements from earth orbit (A), JOSA 67: 259

Effects of anisotropic multiple scattering on solar radiation in the troposphere and stratosphere (T), AO 18: 1955

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Gas phase chemistry in the Ames stratospheric aerosol model (A), JOSA 67: 259

Global monitoring of stratospheric halogen compounds from a satellite using gas filter spectroscopy in the solar occultation mode (TE) (errata), AO 16: 1479

Global monitoring of stratospheric halogen compounds from a satellite using gas filter spectroscopy in the solar occultation mode (TE), AO 16: 607

Grille spectrometers for the study of stratospheric nitrogen compounds (A), JOSA 64: 256

High-resolution interferometer for stratospheric spectroscopy from Spacelab (A), JOSA 67: 1419

Lidar measurements of two intense stratospheric dust layers (E) (L), AO 14: 4

Measured and analytic size distributions of stratospheric aerosols: a review and commentary (A), JOSA 67: 256

Model of the stratospheric sulfate aerosol (A), JOSA 67: 259

Optical effects of the 1974 stratospheric dust cloud (E) (L), AO 14: 1751

Optoacoustic measurements of water vapor absorption at selected CO laser wavelengths in the 5- $\mu$ m region (E) (L), AO 15: 2025

Performance of differential-scatter (DISC) lidar systems (A), JOSA 67: 257

Satellite solar occultation measurements, SAM II and SAGE (A), JOSA 67: 258

Sensitivity of zenith twilight polarization to stratospheric aerosol particle concentration (A), JOSA 67: 260

Statistical band model analysis and integrated intensity for the 11.8- $\mu$ m band of CFC<sub>12</sub> (E) (L), AO 15: 2305

Steady-state one-dimensional model of the stratospheric aerosol (A), JOSA 67: 259

Stratospheric aerosol parameters for the Fuego volcanic incursion (ET) (L), AO 14: 1262

Stratospheric aerosols and climatic change (A), JOSA 67: 260

Stratospheric Astronomy. By Vladimir Alekseevich Krat and Leonard Markovich Kotlyar (B), Reviewed by Robinson, Clark S., AO 17: 2470

Submillimeter-wave atmospheric and astrophysical spectroscopy (R), AO 14: 470

Sulfuric acid gas phase concentration in the stratosphere (A), JOSA 67: 259

Temperature sounding from the absorption spectrum of CO<sub>2</sub> at 4.3  $\mu$ m (TE), AO 16: 2661

Vertical distribution of NO, NO<sub>2</sub>, and HNO<sub>3</sub> as derived from stratospheric absorption infrared spectra (ET), AO 14: 825

## Strontium

Associative ionization of laser-excited Rydberg states in strontium vapor (E), OL 3: 156

Bound, odd-parity  $J = 1$  spectra of the alkaline earths: Ca, Sr, and Ba (TE), JOSA 69: 211

Configurations of  $4s^2 4p^4$  and  $4s 4p^5$  in Rb IV and Sr V (E), JOSA 64: 696

Direct measurements of excited-state lifetimes in Mg, Ca, and Sr (E), JOSA 67: 488

Effects of magnetic fields on four-wave mixing processes in atomic vapors (E), OL 3: 209

High-Rydberg-state chemistry in atomic strontium (A), JOSA 68: 640

Inversion of the resonance line of Sr<sup>+</sup> produced by optically pumping Sr atoms (E), OL 2: 115

Lifetimes of levels in neutral strontium (Sr I) + (E), JOSA 65: 1410

Measurement of  $1D_2 \rightarrow 1F_3$  microwave transitions in strontium Rydberg states using selective resonance ionization (E), OL 4: 173

Quantum-defect analysis of the effects of  $np^2$  terms on the singlet terms of alkaline earths and of their isoelectronic sequences (T), JOSA 64: 706

## Submillimeter waves

Additional cw FIR laser lines from optically pumped CH<sub>2</sub>F<sub>2</sub> (E), OL 4: 277

Assignment of methyl alcohol submillimeter laser transitions (TE), OL 3: 232

Behavior of submillimeter Fabry-Perots at 1.2 K (A), JOSA 68: 1366

Birefringent polarization-independent beam splitter for the submillimeter (A), JOSA 67: 1419

Composite bolometers for submillimeter wavelengths (E), AO 17: 1562

Continuously tunable submillimeter-wave source (A), JOSA 64: 532

Far-infrared and submillimeter-wave spectroscopy (A), JOSA 64: 533

Far-infrared and submillimeter waves technical group presentation of the content Second International Conference and Winter School on Submillimeter Waves and Their Applications to be held at San Juan, Puerto Rico, 6-10 Dec 1976 (A), JOSA 66: 1138

Far infrared optical constants of liquid water measured with an optically pumped laser (E) (L), JOSA 69: 1723

Far-infrared-submillimeter spectroscopy of solids (A), JOSA 67: 1431

Far infrared transmission measurements with an optically pumped FIR laser (E) (L), AO 15: 2617

Free-standing fine-wire grids: their manufacture, performance, and use at millimeter and submillimeter wavelengths (E) (L), JOSA 67: 979

Frequency coverage for submillimeter laser spectroscopy with optically pumped CH<sub>3</sub>OH, CH<sub>3</sub>OD, CD<sub>3</sub>OD, and CH<sub>2</sub>CF<sub>2</sub> (E), OL 1: 202

High performance at new FIR wavelengths from optically pumped CH<sub>2</sub>F<sub>2</sub> (E), OL 4: 280

High power D<sub>2</sub>O submillimeter laser using tunable narrow linewidth optical pumping (A), JOSA 68: 1394

High-precision study of excited-state transitions of shallow donors in semiconductors (E), JOSA 67: 947

High-resolution lamellar-grating Fourier-transform spectrometer for the submillimeter region (E), AO 17: 1709

Line shape cyclotron resonance in  $n$ -type germanium at 337  $\mu$ m in the temperature range 15-80 K (E), JOSA 67: 935

Modulated submillimeter laser interferometer system for plasma density measurements (E), AO 15: 2645

Optically pumped CD<sub>3</sub>F submillimeter-wave laser (E), OL 4: 384

Optically pumped submillimeter-wave sources (A), JOSA 64: 532

Optically pumped waveguide lasers (R), JOSA 67: 952

Progress in far-infrared and submillimeter astronomy (A), JOSA 67: 1430

Resolution of active long-wavelength imaging systems (A), JOSA 68: 1362

Schottky-barrier diodes and heterodyne detection (A), JOSA 67: 1431

Semiconductor cyclotron resonance: transport and surface phenomena (E), JOSA 67: 922

Stannic oxide, a new FIR detector material? JOSA 67: 968

State of the art in submillimeter-wave research (A), JOSA 64: 532

Submillimeter cyclotron resonance of electrons in accumulation layers on indium antimonide surfaces (E), JOSA 67: 928

Submillimeter-far-infrared spectroscopy in the liquid and solid states with a tunable optically pumped laser (E), JOSA 67: 911

Submillimeter laser wavelength tables (R), AO 15: 2635

Submillimeter spectroscopy of TO-phonon mode softening in PbTe (E), JOSA 67: 943

Submillimeter-wave atmospheric and astrophysical spectroscopy (R), AO 14: 470

Submillimeter-wave resonance spectroscopy (A), JOSA 64: 533

Submillimeter waves and their applications, second international conference and winter school, San Juan, 6-11 Dec 1976 (M), Reported by Palik, E. D., AO 16: 532

Submillimeter wave spectroscopy of the atmosphere (R), JOSA 67: 880

Synchronous, mode-locked pumping of gas lasers (ET), OL 4: 6

Topical issue JOSA (N), JOSA 66: 1314

Tunable kilowatt <sup>12</sup>CH<sub>3</sub>F-laser emission from an unstable resonator (E), OL 3: 229

Tunable submillimeter-wave sources based on laser light scattering (A), JOSA 65: 1204

Waveguides for submillimeter-wave lasers (R), JOSA 67: 959

## Sulfur

Addition to the beam-foil study of S VII in the vacuum ultraviolet (E) (L), JOSA 69: 916

Anomalous light scattering in liquid sulfur at the polymerization transition (E), AO 15: 3149

Beam-foil study of sulfur between 500 and 1200 Å (E), JOSA 68: 825

Configuration interaction effects on the odd parity levels of Si (T), JOSA 69: 525

Energy levels of  $1s^2 2s^2 2p^4$  configurations in the C I and N I sequences in S, Cl, Ar, K, Ca (E) (L), JOSA 64: 397

Lifetimes of some  $L$ -x-ray emitting levels in silicon, sulfur, and chlorine (E), JOSA 68: 830

Optical and electrical effects during polymerization and depolymerization in liquid sulfur: indications for the nonuniformity model for covalent liquids (E), AO 15: 327

Radiative-lifetime measurements for Si III  $3s4s^3S$ , S V  $3s4^3P^o$ , and Si IV and S VI  $4f^2F^o$  (E), JOSA 66: 1393

Sulfur as a proposed near infrared reflectance standard (E), AO 17: 2817

Sulfur dioxide absorption cross sections for <sup>12</sup>C<sup>18</sup>O<sub>2</sub> laser lines around 9  $\mu$ m (E) (L), AO 17: 3347

Variation in optical transmission and electrical resistance in a single sulfur liquid droplet during polymerization (E), AO 16: 433

## Sulfur hexafluoride

High- $J$  assignments in the 10.5- $\mu$ m SF<sub>6</sub> spectrum: identification of the levels pumped by CO<sub>2</sub> P(12) and P(22) (E), OL 2: 97

Laws of optics at high irradiance. II. Experiments with SF<sub>6</sub> at normal incidence (E), JOSA 67: 734

Time-resolved molecular excitation and heat effects induced by infrared radiation (E), AO 16: 1931

Transmission measurements of multiple photon absorption in SF<sub>6</sub> (E), OL 1: 28



## Sulfuric acid

- Infrared absorption coefficient of  $\text{H}_2\text{SO}_4$  vapor from 1190 to 1260  $\text{cm}^{-1}$  (E), JOSA 67: 624  
 Infrared optical constants of sulfuric acid at 250 K (ET), JOSA 66: 122  
 Optical constants of sulfuric acid; application to the clouds of Venus? (E), AO 14: 208  
 Sulfuric acid gas phase concentration in the stratosphere (A), JOSA 67: 259

## Sun

- Absolute calibrated solar UV intensities 1700 to 2100 Å (A), JOSA 64: 1375  
 Absorber for solar power (T), AO 13: 2430  
 Another Lemmon: Why the 1951 solar spectral irradiance and atmospheric extinction measurements are being repeated (A), JOSA 66: 1087  
 Approximate determination of aerosol size distributions (A), JOSA 67: 259  
 Automated multiwavelength sunphotometer and its use in aerosol/climatic studies (A), JOSA 68: 1358  
 Changes in the atmospheric-lens modulation transfer function used for calibration in solar speckle interferometry (TE), JOSA 68: 1063  
 Comparison between photographic and photoelectric measurements of the solar aureole almucantar radiance (E) (L), AO 17: 1977  
 Data inversion for spacecraft solar occultation experiments in the near IR, UV, and visible region (A), JOSA 67: 259  
 Data on solar irradiance at ground level (A), JOSA 69: 1400  
 Design for high-accuracy critical-angle sun transit sensor (A), JOSA 66: 1095  
 Determination of aerosol characteristics by the photographic solar aureole isophote (PSAI) method (A), JOSA 67: 1370  
 Determination of aerosol size distributions from spectral optical depth measurements (A), JOSA 67: 256  
 Dominance of tropospheric sulfate in modifying solar radiation (A), JOSA 67: 257  
 Economical multispectral sun photometer for measurements of aerosol extinction from 0.44  $\mu\text{m}$  to 1.6  $\mu\text{m}$  and precipitable water (E) (L), AO 13: 1732  
 Einfluss der Szintillation auf den Faktor k der Sonnenfleckenrelativzahl (E), AO 14: 395  
 Energy source, newsletter "SUN" (N), AO 13: 5A16  
 Estimation of atmospheric turbidity from the burned traces of the Campbell-Stokes sunshine recorder (T), AO 17: 2617  
 Experimental verification of the inertial model of atmospheric turbulence from solar limb motion (E), JOSA 68: 1056  
 Extraction of extinction coefficients profiles from sun photometer measurements (A), JOSA 67: 260  
 Extraterrestrial solar spectrum, 3000–6100 Å at 1-Å intervals (E), AO 13: 518  
 Extreme ultraviolet spectroheliograph ATM experiment S082A (E), AO 16: 870  
 Extreme ultraviolet spectroscopy with the Harvard Skylab experiment (A), JOSA 64: 1375  
 Extreme ultraviolet spectrum of C I observed from Skylab during a solar flare (E), JOSA 66: 853  
 Extreme UV spectroheliometer on the Apollo telescope mount (E), AO 16: 837  
 Global monitoring of stratospheric halogen compounds from a satellite using gas filter spectroscopy in the solar occultation mode (TE), AO 16: 607  
 Global monitoring of stratospheric halogen compounds from a satellite using gas filter spectroscopy in the solar occultation mode (TE) (errata), AO 16: 1479  
 High altitude observatory white-light coronagraph experiment of Skylab (A), JOSA 64: 523  
 High resolution atmospheric transmission calculations down to 28.7 km in the 200–243-nm spectral range (TE), AO 18: 964  
 High resolution solar observations: the hydrogen-alpha telescopes on Skylab (E), AO 16: 917  
 Image data-processing system for solar astronomy (R), AO 16: 944  
 Improved accuracy of spectral aerosol optical depth measurements: Inference of total ozone (A), JOSA 67: 258  
 Instrumental profile of a triple Fabry-Perot interferometer for use in solar spectroscopy (T), AO 17: 415  
 Kitt Peak 60-cm vacuum telescope (E), AO 15: 33  
 Lighting with sunlight using sun tracking concentrators (E), AO 16: 1444  
 Limit of the moth's eye principle and other impedance-matching corrugations for solar-absorber design (T), JOSA 65: 267  
 Limit of the moth's eye principle and other impedance-matching corrugations for solar-absorber design (errata), JOSA 65: 748  
 Means for integrating erythral spectral radiation (P), AO 15: 1360  
 Measurement of averaged squared modulus of atmospheric-lens modulation transfer function (ET), JOSA 64: 1129  
 Measurement of stray radiance in the high altitude observatory's Skylab coronagraph (E), AO 16: 931  
 New atlas of IR solar spectra (E) (L), AO 18: 604  
 New 11-year cycle of solar activity begun (N), AO 13: 980  
 Nimbus-6 earth radiation budget experiment (E), AO 16: 306  
 NRL-ATM extreme ultraviolet solar image TV monitor flown on skylab (ET), AO 16: 893  
 Numerical image manipulation and display in solar astronomy (TE), AO 16: 938  
 Observing the sun with a fully tunable Lyot-Ohman filter (E), AO 14: 2061  
 Ozone estimates derived from Dobson direct sun measurements: effect of atmospheric temperature variations and scattering (T), AO 16: 613  
 PbS-Al selective solar absorbers (E) (L), AO 13: 2750  
 Photometric calibration of the EUV spectroheliometer on ATM (E), AO 16: 849  
 Possibility of atmospheric temperature sounding by the solar occultation technique (T) (L), AO 14: 549  
 Power-collection reduction by mirror-surface nonflatness and tracking error for a central-receiver solar-power system (A), JOSA 64: 1358  
 Power collection reduction by mirror surface nonflatness and tracking error for a central receiver solar power system (T), AO 14: 1493  
 Radiance calibration of the high altitude observatory white-light coronagraph on Skylab (E), AO 16: 926  
 Radiometric calibrations for the earth radiation budget experiment (E), AO 13: 523  
 Reeves and Kohl lead CFA scientists in solar research (N), AO 17: 2449  
 Results from the NRL XUV experiments on Skylab (A), JOSA 64: 523  
 Rocket calibration of the Nimbus 6 solar constant measurements (E), AO 16: 2690  
 Satellite solar occultation measurements, SAM II and SAGE (A), JOSA 67: 258  
 SCLERA: an astrometric telescope for experimental relativity (E), AO 13: 206  
 SCLERA filter: an interferometric tunable optical filter (A), JOSA 66: 1089  
 Shrinking sun studies use early research (N), AO 18: 4177  
 Silicon vidicon spectrometry and its infrared capabilities for solar research (E), AO 15: 2884  
 Sky brightness during eclipses: a review (R), AO 14: 2838  
 Sky brightness during the 26 February 1979 eclipse (TE) (L), AO 18: 2362  
 Sky color near the horizon during a total solar eclipse (T), AO 14: 2831  
 Skylab observations of the sun (170–630 Å) with the NRL objective grating spectroheliograph (A), JOSA 64: 1375  
 Skylab simulator visual displays and training for joint observing programs (T), AO 16: 950  
 Solar cell advances (N), AO 13: 2133  
 Solar concentrating properties of truncated pyramidal, hexagonal, and circular cones (A), JOSA 67: 1395  
 Solar concentrators with maximal concentration for cylindrical absorbers (T), AO 15: 1871  
 Solar concentrators with maximal concentration for cylindrical absorbers (T) (errata), AO 16: 15  
 Solar constants and radiometric scales (T), AO 16: 1628  
 Solar energy: the physics of the greenhouse effect (T), AO 14: 1503  
 Solar heated buildings: a brief survey. By W. A. Shurcliff (N), AO 13: 2080

- Solar irradiance: total and spectral and its possible variations (ER), AO 15: 915  
 Solar magnetograph employing integrated diode arrays (E), AO 15: 40  
 Solar observatory dedicated Stanford Univ. (N), AO 13: 8A14  
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 Solar spectral irradiance and atmospheric extinction in the visible and ultraviolet from an elevation of 2.79 km (A), JOSA 66: 1087  
 Solar XUV grazing incidence spectrograph on Skylab (E), AO 16: 898  
 Some measurements of the attenuation of solar radiation during BOMEX (E), AO 13: 487  
 Spectra of high-resolution heliograms in the extreme-ultraviolet by use of toroidal gratings (A), JOSA 68: 1431  
 Spectrophotometry of the solar UV line spectrum with the NRL spectrograph on board Skylab (A), JOSA 64: 1375  
 Spectroscopic diagnostics of the solar plasma (A), JOSA 66: 1060  
 Sun's sub-surface rotation rate measured (N), AO 17: 2290  
 Temperature dependence of the 10.6- $\mu\text{m}$  reflectivity of ITO-coated silicon (E) (L), AO 16: 808  
 Transmittance of the atmosphere to infrared solar radiation (A), JOSA 67: 1377  
 Ultraviolet polarimeter to record resonance-line polarization in the solar spectrum around 130–150 nm (E), AO 15: 1188  
 Vignetting characteristics of an orbiting coronagraph (A), JOSA 64: 1358  
 White light coronagraph in OSO-7 (E), AO 14: 743

## Surface acoustic waves

- See Acoustic surface waves, and Integrated optics

## Surfaces

- See also Interferometry, Optical testing  
 Absorption at 10.6- $\mu\text{m}$  dependence on roughness of UHV-coated supersmooth mirrors (E) (L), AO 14: 266  
 Absorption 10.6- $\mu\text{m}$  dependence on roughness of uhv silver-coated super-smooth metal mirrors (A), JOSA 64: 536  
 Alkali halides: their reaction with active oxygen (E) (L), AO 15: 1896  
 Analysis and prediction of laser scattering from rough-surface materials (T), JOSA 69: 610  
 Analysis of the spatial coherence of laser light scattered from a surface with two scales of roughness (T), JOSA 66: 536  
 Apparatus for measuring surface flatness (P), AO 15: 1359  
 Applications of surface-measuring interferometry (A), JOSA 64: 1362  
 Aspherical surface polishing with a ring polisher (ET), AO 18: 559  
 Assessment of surface roughness by x-ray scattering and differential interference contrast microscopy (ET), AO 18: 236  
 Average irregularity representation of a rough surface for ray reflection (TE), JOSA 65: 531  
 Beryllium mirrors: 10.6- $\mu\text{m}$  characterization (E) (L), AO 14: 2806  
 Calculating the reflectance map (T), AO 18: 1770  
 Characterization of optical thin films and surfaces (A), JOSA 69: 1426  
 Comparisons between variational, perturbational, and exact solutions for scattering from a random rough-surface model (T), JOSA 68: 768  
 Computer-generated holograms in testing optical surfaces (A), JOSA 64: 557  
 Computer simulation study of image speckle patterns with relation to object surface profile, JOSA 66: 1222  
 Corrections to stylus measurements of surface finish (A), JOSA 68: 1425  
 Depolarization of specular scatter as an aid to discriminating between a rough dielectric surface and an "identical" rough metallic surface (E), JOSA 69: 1212



- Detection of hairline cracks in textured silicon solar cells (E) (L), AO 18: 605
- Determination of surface roughness by correlation of multiple wavelength speckle patterns (A), JOSA 66: 180
- Determination of surface roughness by correlation of speckle patterns (A), JOSA 66: 182
- Determination of the surface structure autocorrelation function for rough deposits of magnesium (E), OL 1: 126
- Development of laser speckle and its application to surface inspections (E), AO 16: 180
- Dielectric function measurements on ion-implanted metallic systems (E), JOSA 67: 1099
- Diffraction and diffuse scattering from dielectric multilayers (T), JOSA 69: 48
- Digital wavefront measuring interferometer for testing optical surfaces and lenses (ET), AO 13: 2693
- Effect of surface roughness on change of the polarization state of light reflected from silicon and germanium (ET), AO 15: 115
- Effects of surface microroughness on mirror absorption (A), JOSA 64: 1404
- Effects of surface microroughness in ellipsometry (A), JOSA 66: 1136
- Efficacy of ion polishing optical surfaces (E) (L), AO 16: 1486
- Electroplating application to the fabrication of optics (E), AO 14: 1783
- Envelope interferometry for large-scale processing (T), AO 13: 2689
- Equivalent source coherence of laser-illuminated rough surfaces (A), JOSA 66: 183
- Evaluation of high-energy-laser mirror surfaces (A), JOSA 64: 536
- Evolution of grating profiles under ion-beam erosion (TE), AO 18: 2559
- Experimental results of surface-roughness studies by means of dichromatic speckle patterns (A), JOSA 67: 1366
- Explanation of the experimental results of light backscattered from a very rough surface (T), JOSA 68: 323
- Extreme ultraviolet reflectance of optically polished electroless nickel (A), JOSA 66: 1119
- First-order non-Gaussian statistics of an optical field scattered from a glinty rough object under coherent illumination (A), JOSA 67: 1368
- Further computer simulation study of image speckle patterns with relation to object surface profile (T), JOSA 67: 808
- Gold contact inspection using a scanning laser beam (A), JOSA 64: 1393
- Heterodyne interferometer for measuring surface profiles from interferograms (A), JOSA 67: 1365
- Heterodyne profilometer for measuring surface microstructure (A), JOSA 69: 1404
- High-speed surface-flaw inspection (A), JOSA 65: 1211
- Holographic interferometry of surface deformations of transparent fluids (E), AO 17: 3101
- Image-shearing camera for direct measurement of surface strains (ET), AO 18: 1046
- Influence of measured reflection properties of vegetated surfaces on atmospheric radiance and its polarization (T), AO 17: 260
- Influence of surface roughness on the propagation of x rays through capillaries (T), AO 18: 897
- Infrared characterization of surfaces and coatings by internal-reflection spectroscopy (E), AO 17: 1776
- Infrared light scattering from surfaces covered with multiple dielectric overlayers (T), AO 16: 2872
- In situ laser reflectance measurement of diffuse surfaces (E), AO 17: 2335
- Instrument for measuring the roughness of supersmooth surfaces (E), AO 13: 177
- Interferometry for determining the rms roughness, autocovariance function, and other statistical properties of optical surfaces (A), JOSA 64: 1362
- Ion Surface Interaction, Sputtering and Related Phenomena. Edited by R. Behrisch, W. Heiland, W. Poschenrieder, P. Staib, and H. Neubeck (B). Reviewed by Fine, Joseph. AO 15: 2804
- Kinetic model of laser-stimulated desorption and surface processes (A), JOSA 69: 1472
- Laser heterodyne apparatus for roughness measurements of polished surfaces (ET), AO 17: 3827
- Laser induced damage in optical materials: ninth ASTM symposium (R), AO 17: 2386
- Laser speckle interferometry of semi-Lambertian reflecting surfaces (TE), AO 17: 2329
- Light-scattering experiments with diamond-turned surfaces (A), JOSA 65: 1216
- Light scattering from aggregated noble-metal films (E), JOSA 68: 189
- Light scattering from surfaces of infrared optical components (A), JOSA 67: 254
- Light scattering from surfaces with a single dielectric overlayer (TE), JOSA 66: 682
- Liquid surface interferometry for the study of surface topography (E) (L), AO 13: 721
- Loss mechanisms in dielectric optical interference devices (T), AO 16: 2147
- Low-thermal-emittance coatings for efficient solar-power generation (A), JOSA 64: 1361
- Mapping of optical surfaces with quarter wavelength fringes (errata), AO 17: 1990
- Measured spectral bidirectional reflection properties of four vegetated surfaces (E), AO 17: 253
- Measurement and characterization of texture (A), JOSA 69: 1404
- Measurement of Appearance. By Richard S. Hunter (B). Reviewed by Hammond, Harry K., III, AO 15: 842
- Measurement of Appearance. By Richard S. Hunter (B). Reviewed by Marcus, Robert T., JOSA 66: 1441
- Measurement of gloss (A), JOSA 69: 1403
- Measurement of surface roughness using speckle contrast (A), JOSA 66: 179
- Measurement of surface roughness properties by using image speckle contrast (E), JOSA 66: 1217
- Measurement of the microtopography of optical surfaces using a scanning Fizeau interferometer (A), JOSA 64: 1369
- Measurement of the rms roughness, autocovariance function and other statistical properties of optical surfaces using a FECO scanning interferometer (E), AO 15: 2705
- Measurement of the roughness and autocovariance function of optical surface using a FECO scanning interferometer (A), JOSA 64: 536
- Measurements of standing waves and the absorption coefficients of various materials with surface electromagnetic waves on Al (E), AO 14: 1579
- Measurement techniques for small absorption coefficients: recent advances (R), AO 16: 2827
- Microradiographs of laser fusion targets: 2-D modeling and analysis (ET), AO 18: 1266
- Mirror testing apparatus (P), AO 13: 1251
- Multikilowatt laser-materials processing (A), JOSA 67: 1414
- Noncontact optical profilometer (E), AO 14: 2480
- Non-Gaussian speckle with correlated weak scatterers: a computer simulation (E), JOSA 69: 1573
- Optical device for measuring surface roughness (P), AO 15: 8
- Optical effects of surface roughness (A), JOSA 64: 547
- Optical parameters of partially transmitting thin films. 2: Experiment and further analysis of a novel method for their determination (ET), AO 15: 120
- Optical properties of aggregated lithium deposits (E), JOSA 67: 510
- Optical properties of a metal sphere with a diffuse surface (T), JOSA 66: 449
- Optical surface roughness determination using speckle correlation technique (TE), AO 14: 272
- Optical Surfaces: Aspherical Optical Systems, X-Ray Optics, Reflecting Microscopes, Reflectors, Measurements. By Bohumil Jurek (B). Reviewed by Schulz, Guenter, AO 16: 2337
- Optical Surfaces. By Bohumil Jurek (B). Reviewed by Stavroudis, Orestes N., JOSA 67: 989
- Performance characteristics of single point diamond machined metal mirrors for infrared laser applications (E), AO 13: 2647
- Phase-locked moiré fringe analysis for automated contouring of diffuse surfaces (E), AO 18: 91
- Physical model for predicting grinding rates (T), AO 13: 2719
- Polarization of light reflected from rough planetary surface (T), AO 14: 1395
- Polishing of supersmooth metal mirrors (E), AO 14: 1808
- Principal angle, principal azimuth, and principal-angle ellipsometry of film-substrate systems (T), JOSA 67: 1058
- Probability density function of the intensity of light reflected from a moderately rough surface in the far field (T), AO 18: 312
- PROBE: a new technique for measuring the density profile of a specific constituent using counterpropagating laser pulses (T), AO 16: 3016
- Problem in the determination of correlation functions (T) (L), JOSA 67: 1125
- Problem in the determination of correlation functions (errata), JOSA 68: 277
- Problem in the determination of correlation functions. II (T) (L), JOSA 69: 634
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- Quantitative surface topography determination by Nomarski reflection microscopy. I. Theory (T), JOSA 69: 357
- Real-time measurement of surface roughness by correlation of speckle patterns (TE), JOSA 66: 1210
- Recent developments in surface-scatter studies (A), JOSA 64: 1404
- Reflection and transmission of light by a rough surface, including results for surface-plasmon effects (T), JOSA 65: 150
- Reflection of an electromagnetic plane wave with 0 or  $\pi$  phase shift at the surface of an absorbing medium (T) (L), JOSA 69: 487
- Relation between the angular dependence of scattering and the statistical properties of optical surfaces (TE), JOSA 69: 31
- Relations between amplitude reflectances and phase shifts of the  $p$  and  $s$  polarizations when electromagnetic radiation strikes interfaces between transparent media (T) (L), AO 18: 1884
- Relationship between surface scattering and microtopographic features (A), JOSA 67: 254
- Residual surface roughness of diamond-turned optics (T), AO 14: 1788
- Retroreflectance measurements of photometric standards and coatings. part 2 (E), AO 16: 2861
- Retroreflection from rough surfaces (T), JOSA 68: 1225
- Review of surface-measuring interferometers (A), JOSA 64: 1362
- Roughness characterization of smooth machined surfaces by light scattering (ET), AO 14: 1796
- Roughness evaluation for thin films (E) (L), AO 18: 1486
- Roughness measurements of metal surfaces using laser speckle (E), JOSA 67: 1171
- Scattering properties of optical surfaces and baffle materials for infrared systems (A), JOSA 67: 254
- Semiconductor cyclotron resonance: transport and surface phenomena (E), JOSA 67: 922
- Sources of a  $1/\theta^2$  scattering from optical surfaces (A), JOSA 68: 1426
- Sources of surface scattering (A), JOSA 69: 1404
- Speckle field of curved, rotating surfaces of Gaussian roughness illuminated by a laser light spot (TE), JOSA 66: 1194
- Speckle from rough, moving objects (T), JOSA 66: 1182
- Spectral reflectance of particulate materials: a Monte Carlo model including asperity scattering (TE), AO 17: 245
- Standard of flatness: its application to Fabry-Perot interferometers (E), AO 14: 2283
- Statistical and correlation properties of speckle produced by a moving rough surface (A), JOSA 66: 179
- Statistics of scattering from a moderately rough surface (A), JOSA 66: 179
- Surface chemistry and absorbance of  $\text{CaF}_2$  and  $\text{SrF}_2$  at DF and CO wavelengths (A), JOSA 67: 254
- Surface damage and the optical reflectance of single-crystal silicon (E), AO 17: 3477
- Surface electromagnetic wave coupling efficiencies for several excitation techniques (E), AO 15: 3066
- Surface electromagnetic waves on metals and polar insulators: some comments (T), AO 13: 2378



- Surface evaluation techniques and surface statistics for infrared optical materials (A), JOSA 67: 254
- Surface finish specifications (A), JOSA 69: 1404
- Surface-interferometry techniques (A), JOSA 64: 1361
- Surface profile comparison of machined surfaces by 10  $\mu\text{m}$  speckle interferometry (A), JOSA 66: 183
- Surface profile measurement and angular deflection monitoring using a scanning laser beam: a noncontact method (ET), AO 17: 3284
- Surface roughness measurement by two wavelength holographic interferometry (T), AO 13: 1085
- Surface roughness measurements by means of polychromatic speckle patterns (ET), AO 18: 4051
- Surface roughness measurements with an optical Fourier spectrum analyzer (E), AO 18: 796
- Surface roughness measurement using dichromatic speckle pattern: an experimental study (E), AO 17: 2690
- Surface topography by caustics (T), AO 15: 1629
- Teflon polishers: their manufacture and use (L), AO 15: 293
- Temperature variation of total hemispherical emissivity of stainless steel AISI 304 (E), JOSA 69: 1384
- Temporary diffraction gratings on the surface of indium arsenide (E) (L), AO 18: 960
- Testing optical surfaces by the method of the caustic using a phase-stripe as spatial filter (TE), AO 18: 1463
- Testing the trueness of circular surfaces: a simple holographic method (ET), AO 18: 627
- Testing the trueness of circular surfaces by laser speckle photography (ET) (L), AO 18: 2351
- Theory of speckle dependence on surface roughness (A), JOSA 66: 180
- Theory of speckle dependence on surface roughness (T), JOSA 66: 1204
- Thermal radiation from metal surfaces (T), JOSA 68: 1505
- Topographical investigation of the variations in stoichiometry in  $\text{Hg}_{1-x}\text{Cd}_x\text{Te}$  using electrolyte electroreflectance (A), JOSA 67: 252
- Total hemispherical emissivity of copper (TE), JOSA 68: 1516
- Total integrated optical scattering in the vacuum ultraviolet: polished CVD SiC (E) (L), AO 16: 1111
- Transfer function characterization of scattering surfaces (A), JOSA 66: 1136
- Transient deformation of liquid surfaces by laser-induced thermocapillarity (T), AO 18: 233
- Tunable moire grating for optical mapping (E), OL 4: 314
- Two-dimensional optics with surface electromagnetic waves (E), AO 14: 1322

## Surface waves

- See also Integrated optics
- Aberration-corrected gratings formed with optical guided modes and surface waves (A), JOSA 68: 1405
- Acoustic Surface Waves. Edited by A. A. Oliner (B), Reviewed by Lamb, John, AO 18: 1128
- Anomalous dispersion of surface plasma oscillations (TE) (L), JOSA 68: 1147
- Bragg electrostriction in optical waveguides (T), AO 16: 1960
- Coherent second-harmonic generation by counterpropagating surface plasmons (E), OL 4: 393
- Coupled surface plasmons in structures with thin metallic layers (TE), JOSA 69: 343
- Enhanced total reflection with surface plasmons (T), JOSA 69: 419
- Excitation of surface electromagnetic waves on water (ET), AO 17: 3459
- Limitation of the observable surface acoustic wave amplitude in frequency-shift holography (TE), AO 17: 1760
- Optical properties of thin films (A), JOSA 68: 1439
- Resonant internal-reflection prism spectroscopy using surface, guided and Fabry-Perot EM waves (ET), AO 17: 430
- Simple interferometer for monitoring Rayleigh waves (E), AO 17: 2064
- Surface acoustic wave technology in the UK report (N), AO 17: A140

- Surface, guided, and interference EM waves in attenuated internal reflection (AIR) prism spectroscopy (A), JOSA 67: 253
- Surface plasma oscillations at sinusoidal silver surfaces (E) (L), AO 16: 1784
- Surface plasma oscillations at sinusoidal silver surfaces (errata), AO 16: 2803
- Thin films using leaky surface EM (SEM) and interference EM (IEM) waves in the infrared (A), JOSA 67: 255
- Total absorption of *p*-polarized light by surface plasma waves (T), OL 3: 88

## Sweden

- Institute of Optical Research (N), AO 15: 1885

## Switzerland

- Optics in Switzerland (R), AO 14: 2355

## Symbols

- See Nomenclature

## Symbols—Units—Nomenclature (SUN)

- See Nomenclature

## Synchrotron

- Calibrating the light pulse shape of a hydrogen flashlamp using synchrotron radiation as a standard of excitation (E), AO 18: 1355
- Comparison of synchrotron and laboratory discharge light sources (E), JOSA 68: 1181
- High resolution monochromator for the VUV radiation from the DORIS storage ring (E), AO 15: 2559
- Holographic diffraction gratings used in normal incidence monochromators for synchrotron radiation (E) (L), AO 14: 2317
- NBS offers users guide for new synchrotron (N), AO 15: 1330
- Statistical properties of synchrotron radiation (T), JOSA 64: 1433
- Synchrotron Radiation: Techniques and Applications. Edited by C. Kunz (B), Reviewed by Hunter, W. R., AO 18: 3079
- Unfolding first and second order diffracted radiation when using synchrotron radiation sources: a technique (E), AO 14: 1391
- Vacuum ultraviolet radiation scales: an accurate comparison between plasma blackbody lines and synchrotron radiation (E), AO 16: 2477

## Synthetic apertures

- Astronomical applications of the synthetic aperture telescope (SAT) (A), JOSA 69: 1455
- Coherent optical simulation of radar imagery (A), JOSA 66: 170
- Distortions of synthetic aperture radar imagery due to target motion (T) (L), AO 13: 471
- Focusing properties of synthetic aperture radar interferograms having range curvature aberrations (T), AO 18: 2580
- Introduction to Radio Holography. By G. S. and A. P. Saffronova (B), Reviewed by Kock, Winston E., AO 13: 4A18
- Matched filter optical processor (TE), AO 13: 925
- Sensitivity of a synthetic aperture PSF to misalignment phase errors (A), JOSA 66: 1137
- Speckle reduction in synthetic-aperture radars (A), JOSA 66: 179
- Speckle reduction in synthetic-aperture radars (TE), JOSA 66: 1305
- Synthetic-aperture electron microscopy (T) (L), JOSA 66: 147
- Synthetic aperture imaging of rotating objects (A), JOSA 67: 1433
- Synthetic interferometric imaging (A), JOSA 66: 1089

## Taiwan

- Science projects (N), JOSA 66: 1455

## Tantalum

- Measurement of the lowest *S*-state lifetime at Al, Ga, In, and Tl (E), JOSA 67: 491
- Multiphoton spectroscopy of highly excited states in Tl (A), JOSA 67: 1417
- Spectrum and energy levels of five-times ionized tantalum (Ta VI), JOSA 65: 302

## Technology

- See also Research, Science
- NASA Tech Briefs, Vol. 1, No. 1, Spring 1976 (B), Reviewed by Silverman, Shirleigh, AO 15: 2294
- National Science Foundation reports status of understanding of the effects of international technology transfer (N), AO 13: 2718
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## Telescopes

- See also Astronomy, Space optics
- Aberration limitations on optical array telescopes (A), JOSA 68: 1361
- Achromatic imaging of distant objects in selected wavelength bands with plane and concave holographic gratings (TE), AO 17: 2934
- Afocal parabolic reflectors (T) (L), AO 13: 741
- All-reflecting Baker-Schmidt flat-field telescopes (T), AO 17: 141
- Analysis of interferometric data for the multiple-mirror telescope optics (A), JOSA 66: 1116
- Anastigmatic catadioptric telescopes (T), JOSA 65: 261
- Anastigmatic three-mirror telescope (T), AO 16: 2074
- Anastigmatic three-mirror telescope (P), AO 17: A161
- Anastigmatic three-mirror telescope (P), AO 18: 751
- Anastigmatic two-mirror telescopes: some new types (T), AO 16: 1178
- Annular apertures with high obstruction (T) (L), AO 13: 22
- Annular apertures with high obstruction: reply to comment (T) (L), AO 13: 2774
- Annular apertures with high obstruction: comment (T) (L), AO 13: 2774
- Aplanatic two-mirror telescopes: a systematic study. 1: Cassegrainian configuration (T), AO 13: 2064
- Aplanatic two-mirror telescopes: a systematic study. 2: The Gregorian configuration (T), AO 13: 2402
- Aplanatic two-mirror telescopes: a systematic study. 3: The Schwarzschild-Couder configuration (T), AO 14: 992
- Apollo telescope mount of Skylab: an overview (R), AO 16: 825
- Applications of adaptive optical techniques to figure control of large telescopes (A), JOSA 66: 391
- Astronomical applications of the synthetic aperture telescope (SAT) (A), JOSA 69: 1455
- Astronomical tele-objective (P), AO 14: 1456
- Balloon-borne infrared telescope for absolute surface photometry of the night sky (E), AO 16: 3125
- Beam expander telescope design utilizing fast spherical primaries (A), JOSA 68: 1374
- Beam expander telescope design utilizing fast spherical primaries (T), AO 18: 1240
- Binocular (P), AO 14: 1458
- Cassegrain alignment using computer-derived adjustment parameters (A), JOSA 67: 1365
- Cassegrain telescopes: limits of secondary movement in secondary focusing (T), AO 15: 1266
- Catadioptric optical system having multilayer filter reflector (P), AO 14: 1457
- Comparison of Cassegrain correctors (A), JOSA 68: 1373
- Composite type structure for large reflective mirrors (P), AO 15: 2038
- Compound catadioptric telescopes with all spherical surfaces (T), AO 17: 1519
- Compound Schmidt telescope designs with nonzero Petzval curvatures (T), AO 14: 2302
- Confocal paraboloids: some comments (T) (L), AO 13: 2192
- Construction of an 84-inch infrared telescope, University of Wyoming at Laramie (N), AO 14: 1701
- Cores in star images (A), JOSA 66: 635
- Correlation between angle-of-arrival fluctuations on the entrance pupil of a solar telescope (ET), JOSA 67: 1065
- Correlation between angle-of-arrival fluctuations in the entrance pupil of a solar telescope (errata), JOSA 68: 277
- Cryogenically cooled infrared telescopes on the Space Shuttle (A), JOSA 68: 1430



- Cryogenic application for graphite and glass fiber composites in an orbiting infrared telescope (A), JOSA 68: 1430
- Design of an  $f/1.5$  focal corrector (A), JOSA 69: 1429
- Design of a Wright-Cassegrain telescope (A), JOSA 68: 1373
- Dynamic Hartmann test (ET), AO 14: 2391
- Dynamic Hartmann test: comments (E) (L), AO 15: 599
- Effect of diffraction in multiple-grid telescopes for x-ray astronomy (T), JOSA 68: 1708
- Effect of the shuttle contaminant environment on a sensitive infrared telescope (R), AO 16: 2051
- Electromagnetic field in the caustic region of a wide-angle spherical antenna under oblique parallel-beam illumination (A), JOSA 65: 1225
- Exotic glass disk 356 cm in diameter, of ULE titanium silicate, shipped to Italian National Observatory (N), AO 17: 2351
- Experiences with the multiple mirror telescope (A), JOSA 69: 1436
- Extreme UV spectroheliometer on the Apollo telescope mount (E), AO 16: 837
- Family of compact Schmidt-Cassegrain telescope designs (T) (L), AO 13: 1765
- 30°  $f/1.0$  flat field three mirror telescope (A), JOSA 68: 1373
- 20° Field-of-view strip field unobscured telescope with stray light rejection (A), JOSA 68: 1373
- First observatory results with an image-sharpening telescope (E), JOSA 67: 304
- Flat-field telescopes using two curved Fresnel mirrors (A), JOSA 69: 1439
- Four-mirror unobscured anastigmatic telescope with all spherical surfaces (A), JOSA 67: 1395
- Four-mirror unobscured anastigmatic telescopes with all-spherical surfaces (T), AO 17: 1072
- Fraunhofer diffraction patterns from uniformly illuminated square output apertures with noncentered square obscurations (T), AO 15: 2228
- General analysis of aplanatic Cassegrain, Gregorian, and Schwarzschild telescopes (errata), AO 13: 242
- Giant mirror of Birr (L), AO 17: 678
- Grazing-incidence mirror system for use with a grating spectrometer in the extreme ultraviolet (ET), AO 13: 1216
- Gregorian of all plastic lightweight construction (P), AO 15: 325
- High-resolution optical telescope for Fourier transform spectroscopy in the infrared radiation field (A), JOSA 69: 1440
- High resolution solar observations: the hydrogen-alpha telescopes on Skylab (E), AO 16: 917
- Holographic-optics telescopes—revisited (A), JOSA 64: 552
- Housing, mount, and support structure of the multiple-mirror telescope (A), JOSA 66: 1092
- Image quality and alignment tolerances of IAC 80-cm telescope (T) (L), AO 16: 2040
- Image stabilizing optical system (P), AO 16: 13
- Imaging properties of Wolter I type x-ray telescopes (T), AO 16: 764
- Immersed telescope stabilizer (P), AO 14: 1457
- Impasses in applied optics (R), JOSA 64: 123
- Inexpensive anastigmatic telescope (A), JOSA 67: 1395
- Infrared Fourier spectrometer for laboratory use and for astronomical studies from aircraft and ground-based telescopes (E), AO 14: 2085
- Infrared Fourier spectroscopy with the Mayall 4 m telescope (A), JOSA 66: 1081
- Infrared-XUV telescope for multipurpose applications (T), AO 16: 244
- Interferometric recording of the deflections of towers and telescopes (E), AO 14: 885
- Kitt Peak 60-cm vacuum telescope (E), AO 15: 33
- Kitt Peak National Observatory (N), AO 13: 121
- Largest telescope in southern hemisphere, Cerro Tololo Inter-American Observatory, Chile (N), AO 15: 1022
- Laser beam steerer-expander (T), AO 17: 3584
- Lens structure for giant refractor telescopes (T) (L), AO 15: 1655
- Long-wave infrared afocal zoom telescope (P), AO 16: 13
- Measurement of the atmospheric correlation scale (E), JOSA 67: 1680
- Measuring the magnifying power of Keplerian telescopes (T) (L), AO 17: 3520
- Method for obtaining a flat field with Rosin-Amon tilted plate correctors (T) (L), AO 13: 242
- More on afocal parabolic reflectors (T) (L), AO 13: 2191
- Multiple-mirror telescope as a multibase Michelson stellar interferometer (A), JOSA 67: 1385
- Multiple Mirror Telescope in final testing phase (N), AO 18: 1045
- Multiple-mirror telescope: unique technical characteristics and astronomical potential (A), JOSA 66: 1092
- Multi-step Hindle test (A), JOSA 64: 1377
- Multi-telescope systems for optical astronomy (A), JOSA 65: 1191
- Near infrared astronomical light collector (E), AO 16: 1817
- New monochromators of concave grating suitable for space telescopes (ET), AO 17: 1815
- New two-mirror anastigmatic telescope (A), JOSA 64: 1358
- New types of anastigmatic two-mirror telescopes (A), JOSA 66: 1114
- Next generation telescope concepts (A), JOSA 68: 1360
- Null test for the 2.4-m space telescope primary mirror (A), JOSA 69: 1418
- Obtaining information through the atmosphere at the diffraction limit of a large aperture (T), JOSA 65: 755
- Optical antenna gain. 1: Transmitting antennas (T), AO 13: 2134
- Optical antenna gain. 2: Receiving antennas (T), AO 13: 2397
- Optical antenna gain. 2: Receiving antennas (T) (errata), AO 13: 2762
- Optical antenna gain. 3: Effect of secondary element support struts on transmitter gain (T), AO 15: 977
- Optical contamination: its prevention in the XUV spectrographs flown by the U.S. Naval Research Laboratory in the Apollo Telescope Mount (R), AO 16: 909
- Optical imaging using aperture synthesis (T), JOSA 69: 187
- Optically figuring a Schmidt-Cassegrain system (E) (L), AO 18: 608
- Optical Telescopes, Theory and Design. By N. N. Mikhelson (B), Reviewed by Glass, Reuben C., AO 18: 416
- Optics for the multiple-mirror telescope (A), JOSA 66: 1092
- Optimization of telescope images (T) (L), JOSA 65: 858
- Optimization of the geometric and diffraction images of concentric-mirror telescopes (A), JOSA 65: 1176
- Performance and problems of x-ray telescopes (A), JOSA 68: 1430
- Prism binocular with adjustable prism mounting (P), AO 14: 3110
- Progress Report: Multiple Mirror Telescope (N), AO 17: 803
- Properties of a transmission grating behind a grazing incidence telescope for cosmic x-ray spectroscopy (T), AO 16: 1425
- Real-time atmospheric compensation (E), JOSA 67: 360
- Real-time correction of atmospherically degraded telescope images through image sharpening (T), JOSA 64: 1200
- Real-time correction of telescope "seeing" (A), JOSA 65: 1206
- Recent advances in astronomical optics: comments on (T) (L), AO 13: 22
- Reflecting null correctors for conicoid mirrors (A), JOSA 64: 565
- Reflecting telescope system (P), AO 14: 1458
- Reflecting telescope with a spherical primary mirror (A), JOSA 69: 1439
- Reflective Schmidt anastigmat telescopes and pseudo-flat made by elasticity (T), JOSA 66: 1334
- Reflective Schmidt corrector (T) (L), AO 13: 2005
- Scanning Kirkpatrick-Baez x-ray telescope to maximize effective area and eliminate spurious images; design (T), AO 14: 537
- SCLERA: an astrometric telescope for experimental relativity (E), AO 13: 206
- Screen test for large mirrors (E), AO 13: 1773
- Servo alignment and control (A), JOSA 66: 1092
- Silicon diode array vidicons at the telescope: observational experience, AO 14: 1437
- Simultaneous optical and x-ray imaging telescopes (T) (L), AO 16: 2039
- Slow scan SEC vidicon system (E), AO 16: 237
- Small telescope having fast and slow focusing motions (P), AO 18: 2606
- Space Telescope. NASA SP: 392 (B), Reviewed by Silverman, Shirleigh, AO 15: 2294
- Space telescope to beam x-rays photos, inside front cover (15 Jan) (N), AO 18: A12
- Speckle interferometry at finite spectral bandwidths and exposure times (E), JOSA 68: 480
- Speckle interferometry on the 2.5 m Isaac Newton telescope (ET), JOSA 66: 1247
- Speckle interferometry with severely aberrated telescopes (E) (L), JOSA 67: 1277
- Stabilized binocular (P), AO 15: 2038
- Stellar interferometer for figure sensing of orbiting astronomical telescopes (TE), AO 13: 1785
- Still more on afocal parabolic reflectors (T) (L), AO 13: 2192
- Strip-mirror corrector for steeply curved astigmatic-image correction (A), JOSA 64: 565
- S056 x-ray telescope experiment on the Skylab Apollo telescope mount (E), AO 16: 858
- Telescope having immersed mirror stabilizer (P), AO 14: 1457
- Telescope test using the point-diffraction interferometer (A), JOSA 64: 558
- Telescope with inflatable door (P), AO 14: 2549
- Three-mirror telescopes: design and optimization (T), AO 17: 2677
- Tilting a field in an optical system (P), AO 16: 13
- Truss for NASA's 2.4-m space telescope (N), AO 15: 515
- Two-element refractive correctors for UV telescopes (A), JOSA 68: 1374
- Two well-corrected four-mirror telescopes (T) (L), AO 13: 1767
- University of California 10-m telescope project (A), JOSA 69: 1436
- Unobscured-aperture two-mirror systems (T), JOSA 65: 1141
- Use of the moon and the large space telescope as an extrasolar-planet detection system (A), JOSA 64: 531
- Using 0.001 arc sec star tracker for the large space telescope (A), JOSA 64: 531
- Vacuum ultraviolet reflective coating development for the space telescope (A), JOSA 66: 1070
- Variation of energy throughput with off-axis angle for the S056 x-ray telescope (T) (L), AO 16: 806
- Wavefront error simulator for evaluating optical testing instrumentation (ET), AO 14: 2756
- Well-baffled two-mirror corrector for a parabola (A), JOSA 66: 1113
- Well baffled two-mirror corrector for a parabola (T), AO 16: 1175
- Well-corrected two-element telescope with a flat image (A), JOSA 69: 1439
- World's largest operational infrared telescope, Jelm Mountain, Wyoming (N), AO 17: 3124
- X-ray telescope design (A), JOSA 66: 1096

## Telescopes, x-ray

AS&E x-ray telescope on Skylab (A), JOSA 64: 524

## Television

- Camera tube (P), AO 18: 261
- CIE report on sports lighting for color TV (N), AO 15: 339
- Color analyzer (P), AO 13: 2960
- Color display of a scene from a black and white representation of the scene (P), AO 13: 220
- Compatible color 3-D TV system: a proposed design (T) (L), AO 18: 584
- Control of pit geometry on video disks (A), JOSA 69: 1473
- Diffraction theory of laser read-out systems for optical video discs (T), JOSA 69: 4
- Holographic color television record system (P), AO 15: 1345
- Holographic television record system (P), AO 13: 12A26
- Hybrid white-light video filtering for real-time digital color image transmission (A), JOSA 69: 1435
- Image Quality: A Comparison of Photographic and Television Systems. By Otto H. Schade, Sr. (B), Reviewed by Biberian, Lucien M., AO 15: 561



- Inflight performance of the Viking visual imaging subsystem (E), AO 16: 3158
- Infrared enhanced TV for fire detection (N), AO 18: 2601
- Laser beam reading of video records (T), AO 17: 2039
- Liquid crystal stereoscopic television system (P), AO 14: 1041
- Low-cost TV recording techniques—optical vs non-optical (A), JOSA 64: 542
- Measurement of small vibrations using electronic speckle pattern interferometry (T), JOSA 67: 1578
- Measurement of the rotation of a disk from its elliptical projection, with an application to eye movements (T), JOSA 67: 1336
- Measurements of white uniformity of color picture tubes (E) (L), AO 13: 1270
- Model of the generation of a visual scannpath for aiming a robot eye (A), JOSA 67: 1406
- Modulation transfer function measurement of TV zoom lenses: influence of distortion on the equivalence of normal and inverse conjugate techniques (T), AO 17: 2171
- New Gutenberg (N), AO 16: 1767
- NRL-ATM extreme ultraviolet solar image TV monitor flown on skylab (ET), AO 16: 893
- Objective lens assembly for projection television (P), AO 17: 1468
- Observing and recording instantaneous images on ATM television monitors (E), AO 16: 922
- Optical two-way TV transmission (E), OL 4: 24
- PATZ—an underwater LLL TV camera with internal pan and tilt, zoom (A), JOSA 66: 1124
- Performance of a silicon vidicon at low signal levels (E), AO 15: 3105
- Picture tube for real-time monochrome stereo TV (T) (L), AO 16: 2042
- Real-time optical sectioning having high SNR by using frequency interleaving (ET) (L), AO 16: 1777
- Real time superresolution by means of an ultrasonic light diffractor and TV system (E), AO 13: 1318
- Real-time transmission of a 3-D image using volume scanning and spatial modulation (ET), AO 16: 1675
- Real-time transmission of 3-D images formed by parallax panoramagrams (TE), AO 17: 3895
- Simplified diffraction theory of the video disk (T), AO 17: 2037
- Slow-scan television system (E), AO 15: 2264
- Solid state multi-color sensor (P), AO 13: 3A26
- Speckle interferometry with television systems (A), JOSA 66: 183
- Stereo television microscope (P), AO 14: 1041
- Television based Fourier holographic system (ET), AO 13: 2268
- Television based Fourier holographic system: comments (T) (L), AO 14: 1763
- Television camera for display of angular patterns from optical fibers (E) (L), AO 16: 3082
- Television-optical operational amplifier (ET), AO 18: 2754
- Television system for the measurement of atmospheric OTF degradation (E), AO 18: 2462
- Three-dimensional television (P), AO 16: 280
- Three-dimensional television by texture parallax (T) (L), AO 17: 168
- Three-dimensional television system (P), AO 17: 2262
- Transmission of 3-D images by means of lens guides (E), AO 18: 2081
- TV in space science activities: some considerations (E), AO 16: 999
- TV-optical feedback (A), JOSA 69: 1435
- White uniformity measurements on color TV picture tubes (E), AO 18: 135

## Tellurium

- Acoustoelectric domain induced transparency in tellurium at 11  $\mu\text{m}$  (E), AO 16: 2961
- Optical activity of tellurium to 20  $\mu\text{m}$  (E) (L), JOSA 65: 217
- Phonon-induced transparency of tellurium near 11  $\mu\text{m}$  wavelength (A), JOSA 67: 255
- Transitions between the levels of the ground configuration in Te II (E) (L), JOSA 64: 1272

## Temperature

- Acquisition of remote atmospheric temperature profiles by use of Raman lidar backscatter (A), JOSA 68: 1434

- Aerial infrared surveys of power-plant thermal discharges (A), JOSA 64: 1405
- Analytical description of a Fabry-Perot spectrometer. 4: Signal noise limitations in data retrieval; winds, temperature, and emission rate (T), AO 17: 2967
- Analytical description of a Fabry-Perot spectrometer. 5: Optimization for minimum uncertainties in the determination of Doppler widths and shifts (T), AO 18: 3826
- Atmospheric corrections for airborne measurements of water surface temperature (T) (L), AO 13: 1745
- Atmospheric temperature profiles from lidar measurements of rotational Raman and elastic scattering (T), AO 15: 2896
- Atmospheric transmittance of an absorbing gas: a computationally fast and accurate transmittance model for absorbing gases with constant mixing ratios in inhomogeneous atmospheres (T), AO 15: 358
- Atmospheric transmittance of an absorbing gas. 2: A computationally fast and accurate transmittance model for slant paths at different zenith angles (TE), AO 16: 1366
- Calibration of infrared instruments for the remote sounding of atmospheric temperature (E), AO 16: 319
- Determination of areas and temperatures from composite blackbody spectra (T), JOSA 65: 559
- Differences in radiance: relative effects of temperature changes and emissivity changes (T), AO 14: 1937
- Electron density, temperature, and local thermodynamic equilibrium in low-voltage low-current break arcs: magnesium (ET), JOSA 67: 1235
- Estimation of the refractive-index temperature structure parameter over the ocean (ET), AO 16: 334
- Fiber-optical sensing of pressure and temperature (A), JOSA 68: 1384
- Fiber-optic sensing of pressure and temperature (TE), AO 18: 1445
- Filters for  $\nu_2$  band of CO<sub>2</sub>: monitoring and control of layer deposition (R), AO 15: 2736
- Gas temperature and centrifugal distortion constant determination from profiles of rotational Raman interferometric spectra (TE), JOSA 66: 801
- High-sensitivity two-dimensional heat detection by means of a fluid interface (A), JOSA 67: 1446
- Infrared multidetector spectrometer for remote sensing of temperature profiles in the presence of clouds, AO 15: 2091
- Infrared pyrometer for high-resolution surface-temperature measurements on rotating turbine blades (A), JOSA 66: 384
- Interferometric measurement technique for the temperature field of axisymmetric buoyant phenomena (E), AO 17: 2788
- Inversion of optical data to obtain a micrometeorological temperature profile (E), AO 18: 1715
- Laser absorption methods for simultaneous determination of temperature and species concentrations through a cross section of a radiating flow (T), AO 15: 768
- Laser Applications to Atmospheric Sciences: a Bibliography: NASA CR 2536. By Franklin S. Harris, Jr. (B). Reviewed by Silverman, Shirleigh, AO 15: 847
- Laser radar measurements of atmospheric temperature profiles by use of Raman rotational backscatter (L), AO 15: 602
- Lidar temperature profiling: performance simulations of Mason's method (T) (L), AO 18: 3539
- Liquid crystal improved technique for thermal field measurements (E), AO 18: 3048
- Measurement of gas properties: comments on the laser Raman workshop (M). Reported by Lapp, Marshall; Penney, C. M., AO 13: 9A14
- Micrometeorological temperature profiles deduced by the inversion of optical data (A), JOSA 64: 1391
- Neutron diffraction on a vertical axis goniometer; high temperature diffraction furnace for all atmospheres (E), AO 16: 1275
- New set of reference tables for accurate calibration (N), AO 13: 2217
- Passive optical diagnostics of combustion flows (T), AO 16: 627
- Platinum standard reference thermolement for calibration of base-metal and noble-metal thermocouple materials (N), AO 16: 2864

- Reflectance errors in infrared thermography (A), JOSA 69: 1401
- Refractive index measurements in fused NaNO<sub>3</sub> and KNO<sub>3</sub> by a modified thermo-optic technique (E), AO 14: 1105
- Remote sensing of subsurface water temperature by Raman scattering (ET), AO 18: 1732
- Rotational Raman interferometric technique to measure gas temperatures (TE), AO 14: 383
- Simple solution for obtaining a temperature profile from the inferior mirage (TE), AO 18: 1724
- Simultaneous electron density and ion temperature measurements of a moderately dense plasma using Doppler and Stark broadened He II lines (E) (L), AO 17: 1481
- Simultaneous heating and temperature measurements by an infrared laser beam (TE), AO 15: 353
- Spatially resolved excitation temperature measurements in a hypersonic flow using the hook method (E), AO 16: 1376
- Spectral band passes for a high precision satellite sounder (T), AO 16: 322
- Spectral distribution of Australian daylight (E), JOSA 68: 437
- Spectral emission signatures of ambient temperature objects (E), AO 14: 2927
- Spectral remote sensing of temperature distribution in semitransparent solids heated by an external radiation source (ET), AO 14: 428
- Stratospheric temperature and pressure determinations from an OH fluorescence lidar instrument (T), AO 18: 1710
- Successive approximation for determining the hydroxyl rotational temperature (T), AO 18: 3805
- Temperature analysis from multispectral infrared data (T), AO 15: 2099
- Temperature and pressure variation of the refractive index of diamond (E), AO 16: 2949
- Temperature dependence of the refractive index of alkaline earth fluorides (E), AO 15: 2352
- Temperature dependent response of optical radiation measurement instrumentation (E), AO 16: 2968
- Temperature measurements of the hydroxyl radical and molecular nitrogen in premixed, laminar flames by laser techniques (E), AO 18: 2100
- Temperature measurement using optical etalons (A), JOSA 64: 1404
- Temperature profiles from the inferior mirage (A), JOSA 68: 1433
- Temperature scales (N), AO 16: A67
- Temperature sounding from the absorption spectrum of CO<sub>2</sub> at 4.3  $\mu\text{m}$  (TE), AO 16: 2661
- Temperature soundings with partially scanned interferograms (T), AO 16: 326
- Thermospheric dynamics investigations with very high resolution spectrometers (ET), AO 18: 3376
- Three-wavelength pyrometer for measuring flame temperatures (E), AO 18: 2595
- Tunable laser line filter polychromator for gas temperature measurements (A), JOSA 66: 1072
- Vibrational and rotational-translational temperatures in N<sub>2</sub> by interferometric measurement of the pure rotational Raman effect (E), JOSA 65: 392

## Temperature profiles

- Furnace temperature profiles: measurement by spectroscopic methods (TE), AO 14: 2707
- Lidar measurement of temperature: a new approach (T), AO 14: 76
- Nimbus-5 ITPR experiment (E), AO 13: 499
- Possibility of atmospheric temperature sounding by the solar occultation technique (T) (L), AO 14: 549
- Satellite observations of atmospheric water vapor (ET), AO 13: 507

## Terbium

- Analysis of the fourth spectrum of terbium (Tb iv) (ET), JOSA 66: 436
- Assignment of unclassified lines in Tb I through high-resolution laser-fluorescence measurements of hyperfine structure (E), JOSA 69: 815
- Extensive theoretical analysis of the  $^6d$  and  $^8d$  configurations. application to  $4f^5 5d 6s^2$  in Tb I, JOSA 68: 368



- Far-infrared spectra of dysprosium and terbium iron garnet (E), JOSA 64: 880  
 Far-infrared transmittance of Tb, Ho, Tm, Er, and Yb orthoferrite (E), JOSA 65: 605  
 Optical properties of Gd, Dy, and Tb (E), JOSA 64: 1332

## Terminology

See Nomenclature

## Thermal blooming

- Absence of thermal blooming for a uniformly illuminated square-aperture high-power laser transmitter (T) (L), AO 13: 989  
 Algebraic model for cw thermal-blooming effects (T), AO 18: 2638  
 Aperture-averaging effects for weak scintillations (ET), JOSA 64: 162  
 Avoidance of high-power-laser thermal blooming (A), JOSA 64: 549  
 COAT compensation for turbulence and thermal blooming with realistic complex targets (A), JOSA 65: 1212  
 Combined effects of atmospheric turbulence and thermal blooming on the propagation of high-power laser beams (A), JOSA 64: 1391  
 Compensating for thermal blooming of repetitively pulsed lasers (A), JOSA 65: 1192  
 Compensating for thermal blooming of repetitively pulsed lasers (T), JOSA 65: 1257  
 Comprehensive scaling maps for thermal blooming (A), JOSA 65: 1191  
 Computer study of thermal blooming with free and forced convection (A), JOSA 65: 1191  
 Coupled mode analysis of thermal blooming (A), JOSA 68: 1357  
 Defocused pulsed-laser propagation with and without central obscuration (A), JOSA 64: 549  
 Dependence of thermal blooming on time and transverse-flow velocity in gases (A), JOSA 64: 549  
 Enhanced focal-plane irradiance in the presence of thermal blooming (ET), AO 15: 2913  
 Equivalent thin lens model for thermal blooming compensation (T), AO 17: 2575  
 High power laser propagation (R), AO 15: 1479  
 Index of refraction turbulence effects on thermal blooming in laboratory experiments (E), AO 18: 698  
 Irradiance tailoring as a method of reducing thermal blooming in an absorbing medium (TE), JOSA 64: 1123  
 Multiple-pulse thermal blooming and phase compensation (E), JOSA 67: 295  
 Phase compensation for thermal blooming (T), AO 13: 331  
 Potential of composites and coatings for reducing thermal distortion from laser windows (T) (L), AO 14: 277  
 Propagation of laser beams having an on-axis null in the presence of thermal blooming (T), JOSA 66: 1384  
 Properties of phase conjugate adaptive optical systems (T), JOSA 67: 290  
 Simplified analysis for high-energy laser propagation (T), JOSA 68: 750  
 Simplified analytical formulas for thermal blooming (T) (L), AO 13: 2753  
 Simultaneous two-wavelength cw laser propagation (A), JOSA 64: 549  
 Stagnation and transonic effects in thermal blooming (T), AO 16: 355  
 Theoretical aspects of thermal blooming compensation (T), JOSA 67: 1569  
 Thermal-blooming compensation: experimental observations using a deformable-mirror system (E), AO 15: 990  
 Thermal-blooming compensation using the CLASP system (E), AO 17: 2909  
 Thermal blooming compensation with adaptive optics (E), OL 2: 7  
 Thermal blooming due to a stagnation zone: scaling law for the quasi-steady state (A), JOSA 65: 1191  
 Thermal-blooming effects on atmospheric propagation (A), JOSA 65: 1182  
 Thermal blooming in axial pipe flow (T) (L), AO 18: 2728  
 Thermal blooming in the atmosphere, an analytical treatment (A), JOSA 68: 1357  
 Thermal blooming of a multiply pulsed laser in a uniform cross wind (A), JOSA 65: 1191  
 Thermal blooming of a rapidly moving laser beam (T), AO 15: 218  
 Thermal blooming of rapidly pulsed laser beams (T), AO 13: 2072

- Thermal blooming of repetitively pulsed laser beams (T), JOSA 64: 1651  
 Thermal blooming versus time for lasers focused in a liquid (A), JOSA 67: 1436  
 Thermal blooming vs linear absorption in a vertical beam (T) (L), AO 14: 2560  
 Transient thermal blooming of a slewed laser beam containing a region of stagnant absorber (TE), AO 16: 345  
 Transient thermal blooming of long laser pulses (E), AO 14: 50  
 Transient thermal blooming of long laser pulses (E), AO 14: 50  
 Transient thermal blooming of single and multiple short laser pulses (A), JOSA 66: 78  
 Transient thermal blooming of single and multiple short laser pulses (TE), AO 14: 2740

## Thermal imaging

- Afocal systems for thermal imagers (A), JOSA 68: 1374  
 Assessment of Ge-As-Se 8–12  $\mu$ m infrared optical glasses for applications in thermal imaging systems (A), JOSA 67: 255  
 Dynamics of thin-film thermal detectors in infrared imaging systems. 1: Basic equations and Fourier analysis (T), AO 13: 1455  
 Dynamics of thin-film thermal detectors in infrared imaging systems. 2: Imaging of fixed and moving objects (T), AO 14: 1177  
 Elimination of the effect of background radiation on the image representation in an ir-camera (P), AO 15: 2946  
 Evaporographic and pyroelectric image recording for two-dimensional plasma interferometry in the far infrared (E), JOSA 67: 975  
 Focal plane temperature stability requirements for thermal imaging systems using extrinsic Si:In detectors (T), AO 18: 2598  
 High-sensitivity two-dimensional heat detection by means of a fluid interface (A), JOSA 67: 1446  
 Infrared holography: an analysis of the thermal behavior of thin films (T), AO 15: 1541  
 Infrared holography using the thermochromic material  $\text{Cu}_2\text{HgI}_4$  (TE), AO 18: 2398  
 Infrared image converting device (P), AO 13: 2441  
 Infrared imaging system (P), AO 13: 2440  
 Infrared optical glasses for applications in 8–12- $\mu$ m thermal imaging systems (E), AO 16: 2938  
 Infrared responsive camera tube (P), AO 15: 2947  
 Interpretation of IR scanning radiometer data (E), AO 18: 82  
 Low light and thermal imaging systems, IEE international conference, London, 3–5 Mar 1975 (M), Reported by Marshall, Gerald F., AO 14: 2029  
 Modular binocular eyepiece for thermal image systems (P), AO 15: 1671  
 Real-time classification of thermographs by using optically coded eigenvectors in coherent and incoherent light (A), JOSA 68: 1376  
 Reflectance errors in infrared thermography (A), JOSA 69: 1401  
 Scanning thermography (P), AO 15: 2944  
 Thermal imaging systems principles (A), JOSA 66: 389  
 Thermal imaging system with redundant object space scanning (P), AO 15: 2945  
 Thermal imaging with pyroelectric vidicons (A), JOSA 66: 389  
 Thermal modulation transfer function analysis of pyroelectric device characteristics (TE), AO 15: 1767  
 Thermograph absolute temperature referencing technique (P), AO 16: 799  
 Trends in next generation thermal imaging using integrated focal planes (A), JOSA 66: 389

## Thermochromatism

- Contrast of thermochromic displays (P), AO 15: 2608  
 Printing plate production method and apparatus (P), AO 13: 976

## Thermoplastics

- Fatigue of thermoplastic recording devices (A), JOSA 66: 1084  
 Improved thermoplastic-photoconductor devices for holographic recording (E), AO 13: 2934

- Low charge-voltage frost recording on a photosensitive thermoplastic medium (E) (L), AO 14: 2054  
 Spatial-frequency response of thermoplastic films (A), JOSA 64: 1394  
 Spatial frequency response of thermoplastic films (E) (L), AO 14: 820  
 Submillisecond development of thermoplastic recordings (E) (L), AO 13: 2471  
 Thermoplastic and elastomeric holographic recording materials (A), JOSA 64: 1389

## Thin films

- See also Coatings, Filters  
 Absorbance of thin films (T), AO 16: 2495  
 Absorption de la lumière d'un laser He-Ne par des pieges chrome-sulfure de zinc (E) (L), AO 13: 464  
 Absorption of a weakly absorbing thin layer (T) (L), JOSA 68: 1284  
 Absorption of thin film materials at 10.6  $\mu$ m (ET), AO 14: 3043  
 Adaptive self-optimizing multilayer thin-film-design computer program (A), JOSA 64: 548  
 Algorithm for determining the optical constants of thin films (T), AO 17: 1579  
 Aluminum mirrors  $\text{Al}_2\text{O}_3$ -protected, with high reflectance at normal but greatly decreased reflectance at higher angles of incidence in the 8–12- $\mu$ m region (ET) (L), AO 17: 333  
 Analysis of phase retardation coatings (A), JOSA 69: 1437  
 Angular reflectance of single-layer gradient refractive-index films (E), JOSA 67: 1046  
 Anomalous dispersion of surface plasma oscillations (TE) (L), JOSA 68: 1147  
 Antireflection coating prepared by plasma polymerization of perfluorobutene-2 (A), JOSA 65: 1195  
 Antireflection coating prepared by plasma polymerization of perfluorobutene-2 (E), AO 15: 132  
 Antireflection coatings effective at two wavelengths simultaneously in the visible region using homogeneously mixed dielectrics (E), AO 18: 1750  
 Antireflection coating with a composite middle layer (P), AO 18: 3220  
 Antireflective coatings applied from metal-organic derived liquid precursors (E), AO 18: 3133  
 Application and properties of molecular-beam epitaxial layers for optoelectronic devices (A), JOSA 66: 290  
 Application de la methode des GETS a la preparation de films minces monocristallins de TGS et TGSe deuteriums pour spectroscopie infrarouge (E), AO 17: 1616  
 Application of linear programming to antireflection coating design (T), JOSA 67: 1039  
 Applications of thin graded-index films to solar absorbers (TE), AO 16: 1438  
 Aspects of optical recording in thin metal films (A), JOSA 68: 1418  
 Attainment of optimum reflectance for TM polarized flux in immersed multilayers (T) (L), AO 18: 942  
 Attenuated total reflection angular spectra and associated resonant electromagnetic oscillations of a dielectric slab bounded by Ag films (ET), AO 17: 3314  
 Auger spectroscopic examination of  $\text{MgF}_2$ -coated Al mirrors before and after UV irradiation (E), AO 16: 1886  
 Autocollimation-type ellipsometer for monitoring film growth through a single window (E), AO 15: 677  
 Automated synthesis technique for optical thin film systems (A), JOSA 67: 1429  
 Automatic high-precision determination of the optical thickness of thin films (A), JOSA 69: 1434  
 Beam splitter and reflection reducing coatings on ZnSe for 3–14  $\mu$ m (ET), AO 18: 1966  
 Birefringent waveguides prepared by reactive sputtering of niobium in  $\text{O}_2$ - $\text{N}_2$  mixtures (E) (L), AO 15: 607  
 Blazing effects in dielectric gratings (A), JOSA 64: 1365  
 Broadband dielectric mirror coatings for Fabry-Perot spectroscopy (TE), AO 15: 2998  
 Buried diffraction gratings: a phenomenological theory (T), AO 18: 742  
 Calculation of attenuated-total-reflection spectra of surface magnetoplasmons on semiconductors (TE), JOSA 64: 1551



- Calibration substrate for Abeles-equipment (T) (L), AO 17: 2135
- Calorimetric measurement of absorption vs temperature in a gold film (E) (L), AO 18: 2905
- Catadioptric optical system having multilayer filter reflector (P), AO 14: 1457
- Channel optical waveguides and directional couplers in GaAs—imbedded and ridged (ET), AO 13: 327
- Characterization of a very thin uniaxial film on a nonabsorbing substrate by multiple wavelength ellipsometry: palmitic acid on water (E), JOSA 68: 978
- Characterization of optical thin films (A), JOSA 68: 1417
- Characterization of optical thin films and surfaces (A), JOSA 69: 1426
- Characterization of optical thin films (R), AO 18: 1969
- Circular dichroism of poly-D-glutamic acid adsorbed on air-water interfaces (E), AO 14: 2143
- Collective oscillations of electrons in aggregated noble-metal films (T) (L), AO 17: 2136
- Color correcting coatings for photographic objectives (ET) (L), AO 18: 1879
- Color variations of AR coatings caused by a leached substrate layer (A), JOSA 69: 1434
- Combination moisture resistant and antireflection plasma polymerized thin films for optical coatings (E), AO 13: 1844
- Combined reflection and transmission thin-film ellipsometry: a unified linear analysis (T), AO 14: 1652
- Composite material films: optical properties and applications (R), AO 15: 2328
- Composite prism-grating coupler for coupling light into high refractive index thin-film waveguides (E) (L), AO 15: 1681
- Computation of the reflectance of multilayer films using vector diagrams (A), JOSA 66: 160
- Constant- $\psi$  constant- $\delta$  contour maps: applications to ellipsometry and to film-substrate reflection devices (A), JOSA 69: 1439
- Coupled surface plasmons in structures with thin metallic layers (TE), JOSA 69: 343
- Damped surface electromagnetic waves in metal oxides (A), JOSA 65: 1195
- Design and operation of an automated, high-temperature ellipsometer, JOSA 64: 804
- Design of film-substrate single-reflection retarders (TE), JOSA 65: 1043
- Design of film-substrate single-reflection linear partial polarizers (T), JOSA 65: 1472
- Design of optical filters. Part 2 (T) (L), AO 18: 1478
- Design of slightly absorbing multilayer reflectors for maximum reflectance (A), JOSA 69: 1438
- Design of three-layer equivalent films (T) (L), JOSA 68: 137
- Designs to reduce the angle shift of multilayer dielectric edge and bandpass filters (A), JOSA 65: 1195
- Determination of refractive index changes in photosensitive polymer films by an optical waveguide technique (E) (L), AO 14: 560
- Determination of the surface structure autocorrelation function for rough deposits of magnesium (E), OL 1: 126
- Determining the optical parameters of fluorescent or scattering thin films (A), JOSA 69: 1434
- Dichroic components for high energy CO<sub>2</sub> lasers (A), JOSA 66: 166
- Dielectric enhanced mirrors for IR lasers (A), JOSA 69: 1438
- Dielectric function measurements on ion-implanted metallic systems (E), JOSA 67: 1099
- Diffraction and diffuse scattering from dielectric multilayers (T), JOSA 69: 48
- Diffraction efficiency of nonsinusoidal Bragg reflection gratings (T) (L), JOSA 64: 97
- Diffraction efficiency of nonsinusoidal Bragg reflection gratings (errata), JOSA 64: 895
- Diffraction from photolysis-induced dielectric gratings in thin PbI<sub>2</sub> films (A), JOSA 68: 1423
- Drift in interference filters. Part 1 (E), AO 13: 2675
- Drift in interference filters. 2: Radiation effects (ET), AO 13: 2680
- Dual beam interferometer with autoequalization of path length (ET) (L), AO 15: 2302
- Effective thickness of optical waveguides in tunable directional couplers (T), JOSA 64: 615
- Effect of diffusion pump oil contamination on diffraction grating efficiency in the VUV spectral region (E), AO 18: 3506
- Effect of dispersion on the reflection and transmission extrema from a monolayer (ET), AO 14: 640
- Effect of O<sub>2</sub> on the optical properties of thin rhodium films (A), JOSA 66: 163
- Effect of retarded dipole-dipole interactions between island particles on the optical plasma-resonance absorption of a silver-island film (TE), JOSA 64: 1563
- Effect of surface roughness on change of the polarization state of light reflected from silicon and germanium (ET), AO 15: 115
- Effect of thin-film thickness on Abeles-type index measurements (E) (L), JOSA 64: 108
- Effect of UV irradiation on the reflectance of silicon-oxide-protected aluminum in the far UV (E) (L), AO 17: 3031
- Effects of interband, intraband, and surface-plasmon processes on the reflectivity of Li films (ET), JOSA 66: 826
- Efficiency of Drude mirror-type selective transparent filters for solar thermal conversion (E), AO 17: 145
- Electric fields in multilayers at oblique incidence (T), AO 15: 2339
- Electromagnetic propagation in periodic stratified media. I. General theory (T), JOSA 67: 423
- Electromagnetic propagation in periodic stratified media. II. Birefringence, phase matching, and x-ray lasers (T), JOSA 67: 438
- Electron microscopic investigations of cross sections of optical thin films (E), AO 15: 2992
- Ellipsometric function of a film-substrate system: applications to the design of reflection-type optical devices and to ellipsometry (T), JOSA 65: 252
- Ellipsometric investigation of quadratic electrooptic and electrostrictive effects with anodic niobium pentoxide films (ET), AO 14: 1316
- Ellipsometry of a biaxial surface (TE), JOSA 65: 542
- Ellipsometry of anisotropic thin films (T), JOSA 64: 631
- Ellipsometry of spread monomolecular layers (A), JOSA 64: 548
- Evaluation of fiber optical waveguides using Brillouin spectroscopy (E), AO 13: 1376
- Evaluation of the Shamir-Graeff method for measuring optical constants of thin films (ET) (L), AO 18: 3367
- Evaporated films of arsenic trisulfide: dependence of optical properties on light exposure and heat cycling (E), JOSA 68: 32
- Evolution of optical thin films by sputtering (E), AO 13: 946
- Explicit general eigenvalue solutions for dielectric slab waveguides (T), AO 14: 327
- Fabrication of integrated optical elements using a computer-controlled electron beam (E), AO 13: 636
- Far-infrared studies in epitaxial films of III-V and IV-VI semiconductors (E), JOSA 67: 939
- Far-infrared thin-film beam splitters: calculated properties (T), AO 14: 2473
- Fast computation method for derivatives of multilayer stack reflectance (T), AO 17: 538
- Filmed substrate characterization by internal and external ellipsometry (A), JOSA 68: 1424
- Film-fiber coupling in integrated optics (E) (L), AO 14: 1256
- Filters for  $\nu_2$  band of CO<sub>2</sub>: monitoring and control of layer deposition (R), AO 15: 2736
- Fizeau interferometry for measuring refractive index and thickness of nearly transparent films (TE), AO 17: 3636
- Flash evaporation of compounds with a pulsed-discharge CO<sub>2</sub> laser (E), AO 15: 1327
- Forward photoemission from thin carbon foils (E) (L), AO 18: 3732
- Fourier description of analysis and synthesis operations for a stack of thin films of equal optical thickness (T), OL 3: 133
- Fresnel zone plate for optical image formation with short wavelength radiations (ET), AO 16: 1070
- Gaussian beam propagation in thin film waveguides (T) (L), AO 17: 2134
- Generalized Brewster-angle conditions for quarter-wave multilayers at non-normal incidence (T), JOSA 64: 647
- Generation of periodic surface corrugations (TE), AO 17: 1165
- Glass compositions for thin-film waveguides (A), JOSA 66: 1118
- Graphical aids in the use of equivalent index in multilayer-filter design (T), JOSA 64: 329
- Growth of LiNbO<sub>3</sub> thin films by liquid-phase epitaxy (A), JOSA 66: 290
- Herpin indices of symmetrical thin film stacks in the high-reflectance zone (errata, p. 1155) (A), JOSA 64: 548
- Highly efficient reflection-type polarizers for 10.6- $\mu$ m CO<sub>2</sub> laser radiation using aluminum oxide coated aluminum mirrors (TE) (L), AO 17: 1657
- Homogeneously mixed dielectric films as double-layer antireflection coatings (E), AO 18: 328
- Index matching reduces peak electric fields in thin-film polarizers (T), AO 14: 1220
- Indiffused waveguides: effects of thin film overlays (T) (L), AO 14: 2329
- Influence of an initial (contamination) film on the determination of film properties by ellipsometry (T) (L), JOSA 65: 611
- Infrared characterization of surfaces and coatings by internal-reflection spectroscopy (E), AO 17: 1776
- Infrared holography: an analysis of the thermal behavior of thin films (T), AO 15: 1541
- Infrared impurity and free-carrier absorption in silicon-silver films (A), JOSA 67: 252
- Infrared multilayer interference filter manufacture: supposed longwave limit (E) (L), AO 18: 3368
- Infrared properties of thin films (A), JOSA 67: 252
- Infrared reflectance of silicon oxide magnesium fluoride protected aluminum mirrors at various angles of incidence from 8  $\mu$ m to 12  $\mu$ m (T) (L), AO 14: 1247
- Inhomogeneous interface laser mirror coatings (E), AO 18: 2979
- Integrated optical light-guiding interconnections (P), AO 14: A26
- Interference and diffraction in globular metal films (ET), JOSA 68: 1023
- Interference filters for the far ultraviolet (E) (L), AO 13: 1275
- Interference theory of reflection from multilayered media (T), JOSA 67: 448
- Introduction to Thin Films. By L. I. Maissel and M. H. Francombe (B). Reviewed by Bennett, Jean M., AO 14: A97
- Laboratory methods to study thin-film phenomena (A), JOSA 69: 1426
- Large refractive-index change in PbI<sub>2</sub> films by photolysis at 150–180°C (E), JOSA 65: 914
- Laser induced damage in optical materials: 7th ASTM symposium (R), AO 15: 1510
- Laser induced damage in optical materials: 8th ASTM symposium (R), AO 16: 1214
- Laser induced damage in optical materials: ninth ASTM symposium (R), AO 17: 2386
- Laser machining of micron-dimension rectangular holes on thin-film photomasks (A), JOSA 66: 380
- Laser pattern generation using x-y beam deflection (ET), AO 13: 1179
- Light modulation with multilayer thin films (E) (L), AO 13: 2464
- Light path steering with memory in As-S films (E) (L), AO 13: 1992
- Light scattering from aggregated silver and gold films (E), JOSA 64: 1190
- Light scattering from aggregated noble-metal films (E), JOSA 68: 189
- Light scattering from surfaces with a single dielectric overlayer (TE), JOSA 66: 682
- Limitations on the interpretation of specular reflection spectra with an application to solid CO (TE), AO 13: 1184
- Liquid surface coating for optical components used in high power laser applications (E), AO 16: 2491
- Loss mechanisms in dielectric optical interference devices (T), AO 16: 2147
- Low-loss antireflection coatings for DF chemical lasers (ET), AO 18: 1220
- Low-pressure ion plating (A), JOSA 68: 1418
- Lummer-Gehrcke interferometer modified for spectroscopy of thin films (A), JOSA 66: 1099
- Lummer-Gehrcke interferometer modified for the spectroscopy of thin dielectric films (ET), AO 15: 2730



- Material science aspects of thin-film characterization (A), JOSA 69: 1426
- Materials for optical thin films (E), AO 15: 2315
- Measurement of the losses in multilayer dielectric reflectors (A), JOSA 68: 1418
- Measuring the infrared absorption in thin film coatings (E), AO 16: 2843
- Measuring the refractive index and thickness of thin transparent films: method (ET), AO 13: 122
- Membrane mirror as an adaptive optical element (ET), JOSA 67: 399
- Metal-clad optical waveguides: analytical and experimental study (TE), AO 13: 396
- Metal-clad planar dielectric waveguide for integrated optics (T), JOSA 64: 274
- Metal-dielectric photosystems (ET), AO 17: 736
- Method for optimized design of dielectric multilayer filters (T), AO 13: 1863
- Methods for obtaining the Raman spectrum of a thin-film on a dielectric or metal surface (A), JOSA 67: 1410
- Microdensitometry using backscattered electrons (A), JOSA 69: 1434
- Mie scattering, Maxwell Garnett theory, and the Giaeffer immunology slide (ET), AO 15: 2746
- Mode dispersion in uniaxial optical waveguides (T), JOSA 64: 441
- Mode selective filtering by a coupling mechanism between glass fiber and thin-film slab waveguide (E) (L), AO 13: 2757
- Modulation-sensitivity enhancement in electro-optic slab waveguides (TE), JOSA 65: 797
- Moisture resistant optical films: their production and characterization (E), AO 14: 2631
- Movie on the melt-phase epitaxial growth of  $\text{LiNbO}_3$  on  $\text{LiTaO}_3$  substrate (A), JOSA 66: 290
- Multidielectric components for the far ultraviolet (E) (L), AO 13: 1276
- Multi-layer anti-reflection coating (P), AO 13: 2177
- Multilayer antireflection coatings: theoretical model and design parameters (T), AO 14: 1326
- Multilayer coatings producing  $90^\circ$  phase change (T) (L), AO 18: 1875
- Multilayer edge filter for the 3.2–4.9- $\mu\text{m}$  range (ET), AO 17: 2648
- Multilayer enhanced metal reflector with improved thermal characteristics (A), JOSA 69: 1438
- Multilayer filters for color temperature modification (A), JOSA 69: 1438
- Multilayer optical interference coatings via glow discharge polymerization techniques (E), AO 17: 2645
- Neutral density filters by co-evaporated Ag and  $\text{SiO}_2$  films for near IR radiation (E), AO 18: 1460
- New materials for optical thin films (A), JOSA 66: 634
- New method for the determination of optical constants of thin films (A), JOSA 65: 1195
- New optical phenomena in birefringent layered media (A), JOSA 68: 1423
- Nondestructive thickness measurements of individual films of a composite film placed on a substrate (P), AO 15: 830
- Nonpolarizing interference films inside a glass cube (T), AO 15: 2983
- Nonquarterwave multilayer filters: optical monitoring with a minicomputer allowing correction of thickness errors (E), AO 18: 3857
- Normal incidence soft-x-ray reflectors for arbitrary wavelengths using a modified Langmuir-Blodgett method (A), JOSA 69: 1434
- Optical and acoustic properties of arsenic pentasulfide glass (L), AO 17: 2482
- Optical and physical properties of vacuum-deposited PbS films (A), JOSA 68: 1423
- Optical behavior of a metal island film (T), JOSA 68: 1039
- Optical characterization of an epitaxial film of GaAs on a GaAs substrate (A), JOSA 65: 1195
- Optical characterization of thin films (E), JOSA 67: 1051
- Optical coating design with reduced electric field intensity (T), AO 16: 1880
- Optical coatings for high energy ZnSe laser windows (ET), AO 13: 2075
- Optical constants for iridium films from 40 to 0.03  $\mu\text{m}$  (A), JOSA 64: 1383
- Optical constants from the far infrared to the x-ray region: Mg, Al, Cu, Ag, Au, Bi, C, and  $\text{Al}_2\text{O}_3$  (E) (L), JOSA 65: 742
- Optical constants of absorbing materials by transmission interferometry on medium-thickness films (TE), JOSA 69: 725
- Optical constants of aggregated gold films (ET), JOSA 66: 124
- Optical constants of reactively evaporated chromium oxide films (A), JOSA 66: 1069
- Optical constants of the constituents of manganese-bismuth films (E), JOSA 64: 1456
- Optical excitation of a surface polarization on an iron film (A), JOSA 67: 1430
- Optical film materials and their applications (A), JOSA 66: 163
- Optical film materials and their applications (R), AO 15: 2318
- Optical interference coatings, course, Univ. Rochester, 9-12 Jul 1974 (N), AO 13: 748
- Optical interference coatings, OSA Topical Meeting, Asilomar, 24-26 Feb 1976 (M), Reported by Thelen, Alfred J., AO 15: 1363
- Optical interference method for the approximate determination of refractive index and thickness of a transparent layer (TE), AO 17: 2779
- Optical measurement methods (A), JOSA 66: 164
- Optical monitoring of nonquarterwave multilayer filters (TE), AO 17: 1038
- Optical parameters of partially transmitting thin films. 2: Experiment and further analysis of a novel method for their determination (ET), AO 15: 120
- Optical properties of aggregated gold on aluminum, AO 18: 3119
- Optical properties of aggregated noble metal films (ET), JOSA 67: 502
- Optical properties of aggregated lithium deposits (E), JOSA 67: 510
- Optical properties of bismuth trifluoride thin films (E), AO 18: 105
- Optical properties of evaporated films of ZnS in the vacuum ultraviolet from 160 to 2000 Å (E), JOSA 68: 1319
- Optical properties of evaporated platinum films in the vacuum ultraviolet from 2200 Å to 150 Å (E), JOSA 69: 1695
- Optical properties of films of composite materials (A), JOSA 66: 163
- Optical properties of Gd, Dy, and Tb (E), JOSA 64: 1332
- Optical properties of multilayer overcoated aluminum films in the UV (2000–2500 Å) (E), AO 15: 2216
- Optical properties of sputtered films (A), JOSA 66: 164
- Optical properties of thin chromium films (TE), JOSA 64: 823
- Optical properties of thin films (A), JOSA 68: 1439
- Optical thickness monitor for thin film deposition (ET), AO 14: 962
- Optical thin-film calculations using the HP-65 programmable pocket calculator (A), JOSA 66: 160
- Optical thin film production with continuous reoptimization of layer thicknesses (TE), AO 18: 1978
- Optical thin film synthesis program based on the use of Fourier transforms (T), AO 17: 3039
- Optical transitions in disordered thin films of ionic compounds as a function of conditions of preparation (A), JOSA 67: 252
- Optical transitions in disordered thin films of the ionic compounds  $\text{MgF}_2$  and  $\text{AlF}_3$  as a function of their conditions of preparation (E), AO 16: 2865
- Optical waveguide loaded with high refractive-index strip film (T), AO 15: 179
- Optical waveguide techniques for thin-film measurements (A), JOSA 66: 165
- Optics of Thin Films, An Optical Multilayer Theory. By Zdenek Knittl (B). Reviewed by Baumeister, Philip W., JOSA 66: 979
- Optics of Thin Films. By Zdenek Knittl (B). Reviewed by Ritter, Elmar; Thelen, Alfred, AO 15: 2940
- Optimum thickness of MnBi films for magnetooptical memory (E), AO 13: 779
- Origin of the large refractive index change in photolyzed  $\text{PbI}_2$  films (E) (L), JOSA 67: 1123
- Parameters for optimization of multilayer antireflection coatings (T), AO 18: 553
- Parylene C films for optical waveguides (E) (L), AO 13: 2458
- Perturbation analysis of the influence of a thin dielectric film on the propagation constants of a surface optical wave (T), JOSA 65: 1253
- Photodissociation of  $\text{PbI}_2$  films at 150–175°C: optical constants vs wavelength and exposure (A), JOSA 64: 1384
- Photoemission studies of  $\text{LaF}_3$  (E), JOSA 68: 521
- Photoresist thin films used in geometrical and integrated optics (A), JOSA 66: 163
- Physics of Thin Films, Advances in Research and Development, Volume 9. Edited by George Hass, Maurice H. Francombe, and Richard W. Hoffman (B). Reviewed by Baumeister, Philip W., JOSA 68: 272
- Physics of Thin Films. By Ludmila Eckertova (B). Reviewed by Hunter, W. R., AO 17: 2860
- Pieges a lumiere interferentiels a larges bandes azimuthale et spectrale (ET), AO 13: 1605
- Plasma polymerized coating for polycarbonate: single layer, abrasion resistant, and antireflection (E), AO 16: 717
- Plasma polymerized films as laser fusion targets (A), JOSA 68: 550
- Polarizer-surface-analyzer null ellipsometry for film-substrate systems (TE), JOSA 65: 1464
- Polycrystalline silicon film thickness measurement from analysis of visible reflectance spectra (TE), JOSA 69: 1143
- Power dependence of reflectivity of metallic films (TE), AO 15: 127
- Poynting vectors and electric fields in multilayers at non-normal incidence (A), JOSA 66: 161
- Principal angle, principal azimuth, and principal-angle ellipsometry of film-substrate systems (T), JOSA 67: 1058
- Production of a large unsupported carbon-film ultraviolet filter (E) (L), AO 17: 321
- Program for the automatic synthesis of optical multilayers based on Sossi's method (A), JOSA 67: 1429
- Progress in Optics, Vol. 15. Edited by Emil Wolf (B). Reviewed by Franken, Peter; Gaskill, Jack D.; Sargent, Murray, III; Seraphin, Bernhard O.; Shoemaker, Richard L.; Wyant, James C., AO 18: 3078
- Progress in Optics, Vol. 15. Edited by Emil Wolf (B). Reviewed by Young, Matt, JOSA 69: 371
- Protected Al mirrors with high reflectance in the 8–12- $\mu\text{m}$  region from normal to high angles of incidence (E) (L), AO 17: 2125
- Ray model of energy and power flow in anisotropic film waveguides (T), JOSA 64: 1313
- Rays, stored energy, and power flow in dielectric waveguides (T), JOSA 64: 174
- Recursive solution of the dispersion relation of a surface polariton in a layered structure (T) (L), JOSA 67: 698
- Reflectance and durability of Ag mirrors coated with thin layers of  $\text{Al}_2\text{O}_3$  plus reactively deposited silicon oxide (A), JOSA 64: 1384
- Reflectance and durability of Ag mirrors coated with thin layers of  $\text{Al}_2\text{O}_3$  plus reactively deposited silicon oxide (TE), AO 14: 2639
- Reflectance and optical constants of evaporated ruthenium in the vacuum ultraviolet from 300 to 2000 Å (E), JOSA 64: 423
- Reflection from a new class of inhomogeneous media (A), JOSA 67: 1429
- Reflective multilayer coatings for the far UV region (R), AO 15: 2333
- Reflectivity of metallic films in the infrared (T), JOSA 67: 908
- Refractive index determination using reflectance extrema (T), AO 17: 1771
- Refractive index of some oxide and fluoride coating materials (T), AO 18: 111
- Refractive indices of  $\text{TiO}_2$  films produced by reactive evaporation of various titanium-oxygen phases (E), AO 15: 2986
- Refractive indices of zinc sulfide and cryolite in multilayer stacks (E), AO 15: 1969
- Results of a test to try to eliminate blue blotches on a space mirror (A), JOSA 68: 1424
- Roughness evaluation for thin films (E) (L), AO 18: 1486
- Scaling rules for thin-film optical waveguides (T), AO 13: 1857
- Sectioned thin-film grating (TE), JOSA 64: 1631
- Selective absorption of tungsten layer fabricated by CVD methods (A), JOSA 67: 251
- Semitransparent tin-oxide films on Pyrex plates: measurements of reflectivity (E) (L), AO 15: 112



- Silicon nitride films on silicon for optical waveguides (ET), AO 16: 3218
- Simple interconnections in thin-film guided-wave optics (E) (L), AO 16: 816
- Single-element rotating-polarizer ellipsometer for film-substrate systems (L), JOSA 67: 1286
- Single layer, gradient refractive index antireflection films—effective 0.35–2.5  $\mu$  (A), JOSA 66: 634
- Single-layer, gradient refractive index antireflection films effective from 0.35 to 2.5  $\mu$  (E), JOSA 66: 515
- SiO<sub>2</sub>-Si film—substrate reflection polarizers for different mercury spectral lines (T) (L), AO 16: 1488
- Solar-selective globular metal films (ET), JOSA 68: 1032
- Sputtered niobium oxide thin-film waveguides on arbitrary substrates (A), JOSA 65: 1222
- Sputtered thin films for integrated optics (E) (L), AO 13: 712
- Statistical analysis of defect-caused laser damage in thin films (T), AO 16: 1563
- Strain induced anisotropy in As<sub>2</sub>S<sub>3</sub>, As<sub>2</sub>Se<sub>3</sub>, and ZnSe films on KCl substrates via 10.6- $\mu$ m and 0.6328- $\mu$ m ellipsometer measurements and 0.6328- $\mu$ m reflector measurements (TE), AO 18: 201
- Structural and IR properties of Pb<sub>1-x</sub>Hg<sub>x</sub>S thin films (A), JOSA 67: 254
- Structural and IR properties of Pb<sub>1-x</sub>Hg<sub>x</sub>S thin films (E), AO 16: 2945
- Study of inhomogeneous thin films by use of approximate methods (A), JOSA 65: 1195
- Study of the optical properties of anthracene thin films by ellipsometry (TE), JOSA 65: 1269
- Submillimeter spectroscopy of TO-phonon mode softening in PbTe (E), JOSA 67: 943
- Subnanosecond laser recording on MnBi thin films (E), AO 13: 866
- Surface polariton in the ATR angular spectra of a thin iron film bounded by dielectric layers (TE), JOSA 68: 1325
- Surface polaritons on an epitaxial film of GaAs on a GaAs substrate (A), JOSA 66: 1070
- Surface-wave interferometer for the infrared region (A), JOSA 69: 1434
- Technique for measuring the infrared absorption in thin-film coatings (A), JOSA 67: 252
- Temperature dependence of thin-film polarizer (A), JOSA 67: 253
- Testing the adhesion of thin films using real-time holographic interferometry: a simple method (E) (L), AO 17: 2670
- Thermotransmission measurements on self-supporting metal films (E), OL 1: 217
- Thickness of absorbing films necessary to measure their optical constants using the reflectance vs angle of incidence method (E), JOSA 64: 429
- Thickness, uniformity, and preparation of stress-free floating amorphous germanium thin-films (E) (L), AO 14: 2057
- Thin-film absorption coefficients by attenuated-total-reflection spectroscopy (T), AO 17: 394
- Thin-film beam splitter for integrated optics (TE), JOSA 67: 533
- Thin film coatings: algorithms for the determination of reflectance and transmittance, and their derivatives (T), AO 18: 2701
- Thin film infrared channel spectra (E) (L), AO 13: 2465
- Thin-film laser-to-fiber coupler (E), AO 13: 391
- Thin-film lenses based on tantalum pentoxide (A), JOSA 65: 1222
- Thin film light guide (P), AO 14: 1756
- Thin-film 2.8- $\mu$ m and 3.8- $\mu$ m absorption in single-layer films (E), AO 17: 2798
- Thin film optical coatings. 1: Optical coating stabilities (T), AO 16: 2486
- Thin film optical coatings. 1: Optical coating stabilities (errata), AO 17: 1486
- Thin film optical coatings. 2: Three-layer antireflection coating theory (T), AO 16: 2722
- Thin film optical coatings. 3: Two-wavelength antireflection coatings (T), AO 16: 3001
- Thin film optical coatings. 4: Multilayer antireflection coatings (T), AO 16: 3237
- Thin film optical coatings. 5: Buffer layer theory (T), AO 17: 72
- Thin film optical coatings. 6: Design method for two given wavelength antireflection coatings (T), AO 17: 1458
- Thin film optical coatings. 7: Two-layer coatings close to antireflection (TE), AO 18: 1226
- Thin film optical waveguides colloquium, IEEE, London, 9 Mar 1973 (M), Reported by Waynick, A. H., AO 13: 1735
- Thin-film optimization by group thicknesses (A), JOSA 67: 1429
- Thin-film polarizers (A), JOSA 68: 1423
- Thin Film Processes. Edited by John L. Vossen and Werner Kern (B), Reviewed by Hahn, Robert E., AO 18: 2791
- Thin-film reflectivity in dielectric-metal bilayers (A), JOSA 66: 1070
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- Thin films using leaky surface EM (SEM) and interference EM (IEM) waves in the infrared (A), JOSA 67: 255
- Thin metal films as applied to Schottky solar cells: optical studies (ET), AO 15: 1621
- Transmission of polarized light as a function of sample thickness for cholesteric liquid-crystal films (E) (L), JOSA 64: 250
- Transmittance and reflectance of a thin absorbing film on a thick substrate (E) (L), AO 17: 3345
- Transmittance measurement (P), AO 15: 2296
- Transmittance of aggregated silver films with an opaque overcoating (E) (L), JOSA 64: 100
- Transparent electrically conducting thin films for spacecraft temperature control applications (A), JOSA 67: 1429
- Transparent electrically conducting thin films for spacecraft temperature control applications (E) (L), AO 18: 1488
- Tunable metal film filters as narrowband IR laser reflectors (TE), AO 15: 681
- Two-dimensional oil-film fluorescence spectra (A), JOSA 64: 547
- Two-layer low-absorption antireflection coating for KCl (E), AO 17: 447
- Ultraviolet optical properties of Li (E), JOSA 64: 839
- Uniaxial and biaxial anisotropy in thin-film optical waveguides (T), JOSA 64: 27
- Uniformity, thickness, and preparation of stress-free, floating, amorphous germanium thin films (A), JOSA 65: 1194
- Use of Fourier coefficients in multilayer synthesis computations (T), JOSA 68: 964
- Use of hafnium dioxide in multilayer dielectric reflectors for the near UV (E), AO 16: 439
- Vacuum and thin film technology (M), Reported by Macleod, H. A., AO 15: 2939
- Vacuum ultraviolet reflective coating development for the space telescope (A), JOSA 66: 1070
- Variations energetiques de l'absorption optique du lanthane et du praséodyme pris en couches minces (E), AO 13: 599
- Versatile frustrated-total-reflection polarizer for the infrared (T), OL 4: 66
- Wave propagation in semileaky-type anisotropic thin-film optical waveguides (T), JOSA 67: 539
- Weakly absorbing layers: interferometric determination of their optical parameters (ET), AO 17: 3738
- Wide band anti-reflection coating (P), AO 13: 977
- Wideband optical monitoring of nonquarterwave multilayer filters (E), AO 18: 3851

## Three dimensions

See Stereoscopy

## Thulium

Far-infrared transmittance of Tb, Ho, Tm, Er, and Yb orthoferrite (E), JOSA 65: 605

## Tin

Absorption spectrum of Sn I between 1580 and 2040 Å (E), JOSA 67: 607

Solar-selective globular metal films (ET), JOSA 68: 1032

Transitions in highly ionized Sn spectra from a laser-produced plasma (ET), JOSA 64: 1058

## Titanium

L-series satellite spectra in Ti XII and Fe XVI (E), JOSA 69: 1133

Optical constants of titanium (E) (L), JOSA 64: 514

Spectrum of Ca X and spectral observations of calcium, scandium, and titanium (ET) (L), JOSA 66: 632

## Tomography

- Aliasing artifacts in computerized tomography, AO 18: 3704
- Analytical study of laser computed tomography: application to air pollution (A), JOSA 69: 1411
- Application of optimum coding sequences to computerized classical tomography (TE), AO 17: 3133
- Computerized tomosynthesis, serioscopy, and coded-scan tomography (ET), AO 17: 175
- Half-tone screen techniques for photographic film response shaping with application to optical processing of medical x-ray images (TE), AO 18: 2294
- Imaging by correlation of periodic sequences in conventional tomography (A), JOSA 68: 1437
- Longitudinal tomography and imaging with a masked mirror (T) (L), JOSA 68: 1005
- Recent advances in uncomputerized transaxial tomography. II. The drum processor (A), JOSA 68: 1437
- Recent advances in uncomputerized transaxial tomography. I. The loop processor (A), JOSA 68: 1437
- Spatial multiplex tomography (TE), AO 16: 2363
- Three-dimensional radiographic imaging with a restricted view angle (T), JOSA 69: 1323
- Tomographical imaging using uniformly redundant arrays (E), AO 18: 1052
- Two-dimensional remote air-pollution monitoring via tomography (T), OL 4: 75

## Topography

Rectangular grid fringe pattern for topographic applications (ET) (L), AO 15: 597

## Trackers

- Method for adjusting the radius of curvature of a spherical mirror (P), AO 18: 4005
- Optical technique for background suppression (P), AO 18: 261
- Target induced pointing noise in laser trackers (T) (L), AO 16: 2623
- Variable optical wedge for scanning a light beam in an apparatus for reading an optically encoded disc (P), AO 15: 1888

## Tracking

- Accurate three-dimensional eyetracker (ET), AO 17: 691
- Annular apertures for angular tracking (T), AO 16: 2438
- Apparatus and information processing methods (P), AO 13: 3A26
- Atmospheric distortions in a retroreflected laser signal (T), AO 14: 840
- Autonomous rendezvous and docking in synchronous orbit with a 10.6  $\mu$ m lidar (A), JOSA 66: 380
- Compensation for eye movements (P), AO 13: 2960
- Computer-controlled ground electro-optical systems for deep-space operations (A), JOSA 66: 380
- Correction of laser tracking data for the effects of horizontal refractivity gradients (TE), AO 16: 2427
- Dynamics of an image viewed through a rotating mirror (T), JOSA 69: 771
- Earth laser beacon sensor for earth-oriented geosynchronous satellites (TR), AO 14: 1719
- Estimation of image centroid, size, and orientation with laser radar (T), AO 16: 2433
- Glint tracking using adaptive optical techniques (A), JOSA 66: 391
- Heat or light source tracking device (P), AO 14: 2550
- Imaging properties of a conic axicon (T) (L), AO 13: 1762
- Integrated laser/radar satellite ranging and tracking system (E), AO 13: 2352
- Interferometric and conventional star trackers (A), JOSA 65: 1187
- Interferometric star tracking (T), AO 13: 414
- Maximum angular accuracy of pulsed laser radar in photocounting limit (T), AO 16: 1982



Maximum likelihood estimate of target angles for a conical scan tracking system in the presence of speckle (T), AO 16: 184

Missile tracking and guidance system (P), AO 16: 2026

Optical contrast enhancement system (P), AO 14: 1241

Optical heterodyne radar (lidar) for precision missile tracking and missile guidance (A), JOSA 66: 380

Piezo-electric line of sight corrector for inertial platform stabilized sensor in a stellar navigational system (P), AO 18: A115

Point-ahead limitation on reciprocity tracking (T), JOSA 65: 65

Radiant energy detection apparatus (P), AO 15: 1672

Radiation concentration system (P), AO 18: 3521

Ray tracing evaluation of a technique for correcting the refraction errors in satellite tracking data (E), AO 17: 3143

Reader for graph curve lines and like (P), AO 18: 3947

Real-time tracking of moving objects by optical correlation (E), AO 18: 172

Signal distortion due to beam-pointing error in a chopper modulated laser system (ET), AO 17: 289

Spatial discrimination system for use with pulsed optical energy and television pick-up tubes (P), AO 13: 455

Stabilized optical tracking device (P), AO 13: 977

Star scanner (P), AO 14: A52

Sun tracker for clear or cloudy weather (N), AO 18: 4062

Tracking systems requirements for atmospheric steering compensation (T), AO 14: 2750

Tracking turbulence-induced tilt errors with shared and adjacent apertures (T), JOSA 67: 282

Using 0.001 arc sec star tracker for the large space telescope (A), JOSA 64: 531

Transmission

AFGL trace gas compilation (TE) (L), AO 17: 507

Atmospheric 10.6- $\mu$ m absorption coefficient: dynamics (T), AO 14: 1911

Atmospheric transmittance of an absorbing gas. 3: A computationally fast and accurate transmittance model for absorbing gases with variable mixing ratios (ET), AO 18: 1600

Characteristics of reflection, transmission, scattering, and emission (T) (L), AO 16: 1770

Coherence matrices of light beams at dielectric interfaces and Goos-Haenchen effect (T), JOSA 65: 1475

Convolution algorithm for the Lorentz function (T), AO 18: 2329

Coupled power theorem and orthogonality relations for optical disk waveguides (T), JOSA 67: 1634

Definition weaknesses in atmospheric experiments in low visibility atmospheres (T) (L), AO 17: 3029

Discontinuity radiation in surface waveguides (T), JOSA 65: 1248

Effective extinction efficiencies for large spheres using weakly collimated light (T), AO 18: 1387

Effects of aerosol microphysical processes on visible/infrared laser beam propagation through aerosols (A), JOSA 69: 1413

Electronic instrumentation for a high-accuracy atmospheric extinction measurement (A), JOSA 65: 1201

Electro-optically induced transmission (A), JOSA 69: 1483

Fog measurements for optical transmission prediction (A), JOSA 68: 1358

Fourier transform method for calculating the transmittance of inhomogeneous atmospheres (T), AO 18: 3426

Fresnel's and Snell's laws for the multimode optical waveguide of circular cross section (T), JOSA 65: 1241

Generalized equations for the calculation of absorbance, reflectance, and transmittance of a number of parallel surfaces (T), AO 17: 531

Generalized Fresnel's laws for a curved absorbing interface (T), JOSA 65: 1072

Integrating spheres for measurements between 0.185  $\mu$ m and 12  $\mu$ m (E), AO 14: 1137

K distributions in atmospheric propagation of laser light (A), JOSA 69: 1412

Laser propagation through a time-varying random medium (A), JOSA 69: 1412

Limitations in using atmospheric models for laser transmission estimates (TE) (L), AO 13: 2193

Linear laser-propagation losses in the atmosphere: a current assessment (A), JOSA 65: 1182

Measured spatial variations of transmittance and emissivity of infrared windows (A), JOSA 65: 1169

Measurement of transmission of infrared lenses (E) (L), AO 13: 469

Modeling of coagulation-sedimentation effects on transmission of visible/IR laser beams in aerosol media (T), AO 18: 3918

Multiwavelength transmissometer mass concentration monitor (A), JOSA 68: 1363

Off-state transmission of a twisted nematic liquid-crystal layer. Some comments (T) (L), JOSA 69: 913

Optical measurement of the IC photomask pattern area (ET), AO 18: 2159

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Optical transmission and reflection properties of a pile of lossy plates (TE), AO 15: 2068

Photoelectric determination of the Mueller-Stokes matrix elements (A), JOSA 65: 1166

Propagation experiments in low-visibility atmospheres (E), AO 17: 899

Propagation in pair-correlated distributions of small-spaced lossy scatterers (T), JOSA 69: 1567

Propagation of the generalized radiance through optical instruments (A), JOSA 68: 1404

Radiation effects on the transmission of various optical glasses and epoxies (E) (L), AO 18: 1132

Ranging laser atmospheric transmissometer (A), JOSA 66: 382

Reflection and transmission terminology by analogy with scattering (L), AO 13: 460

Ripple structure of the extinction coefficient (E) (L), AO 16: 231

Solitons created by chirped initial profiles in coherent pulse propagation (T), JOSA 69: 597

Spectral discrimination for image encoding (A), JOSA 65: 1183

Sulfuric acid in KBr pellet spectroscopy (E) (L), AO 18: 2353

Transformation of Fresnel's interface reflection and transmission coefficients between normal and oblique incidence (T), JOSA 69: 590

Transmission and reflection of a Gaussian beam at normal incidence on a dielectric slab (T), JOSA 65: 537

Transmittance and reflectance of a thin absorbing film on a thick substrate (E) (L), AO 17: 3345

Transmittance: an index to shape changes of blood platelets (T) (L), AO 14: 2324

Transmittance model for absorbing gases with variable mixing ratios in inhomogeneous atmospheres (T) (L), AO 16: 18

Transmittance of cultured crystalline quartz in the vacuum ultraviolet before and after electron irradiation (E), AO 17: 2310

Transparency of pair-correlated, random distributions of small scatterers, with applications to the cornea (T), JOSA 65: 524

Update of the AFGL atmospheric absorption line parameters compilation (TE) (L), AO 17: 3517

Variation in optical transmission and electrical resistance in a single sulfur liquid droplet during polymerization (E), AO 16: 433

Transmittance

Macular pigment and chromatic aberration (T), JOSA 64: 231

Optical constants from the far infrared to the x-ray region: Mg, Al, Cu, Ag, Au, Bi, C, and Al<sub>2</sub>O<sub>3</sub> (E) (L), JOSA 65: 742

Tensor representation of reflectance and transmittance (A), JOSA 65: 1179

Transmittance of aggregated silver films with an opaque overcoating (E) (L), JOSA 64: 100

Vacuum-ultraviolet absorption spectra and optical constants of poly(N-vinyl carbazole) films (TE), JOSA 64: 952

Troposphere

See Atmospheres, Meteorology

Lidar polarization studies of the troposphere (E), AO 14: 2158

Remote Sensing in the Troposphere. Edited by V. E. Derr (B), Reviewed by Lovell, D. J., AO 13: 2437

Tungsten

Selective absorption of tungsten layer fabricated by CVD methods (A), JOSA 67: 251

Total hemispherical emissivity of W(100) (A), JOSA 69: 1472

Total hemispherical emissivity of tungsten (ET), JOSA 68: 1167

Transition probabilities for the resonance transitions of Na-like ions (T), JOSA 68: 836

Turbulence

See also Atmospheric optics, Scintillation

Aerosols and the total atmospheric mutual coherence function (A), JOSA 68: 541

Air-flow-birefringence measurement (ET), JOSA 65: 1319

Altitude dependence of  $C_n^2$  evaluation of airborne refractive index fluctuations (A), JOSA 68: 539

Analytical evaluation of techniques for use of a laser Doppler velocimeter to measure flow and turbulence (T), JOSA 65: 69

Angular spectrum measurements of atmospheric turbulence (ET), JOSA 67: 178

A posteriori restoration of atmospherically degraded images using multiframe imagery (A), JOSA 66: 175

Application of lateral shearing interferometry to stochastic inputs (T), JOSA 66: 1341

Astronomical holography through the turbulent atmosphere (A), JOSA 66: 175

Asymptotic parameter realms and scintillation scales for extended sources in turbulence (T) (L), AO 15: 2303

Atmospheric beam-wander cancellation by a fast-tracking transmitter (E) (L), JOSA 64: 1015

Atmospheric birefringence under wind speed gradient shear (E), JOSA 68: 471

Atmospheric distortions in a retroreflected laser signal (T), AO 14: 840

Atmospheric extinction measurements of a He-Ne laser (E), AO 17: 285

Atmospheric propagation of partially coherent radiation (A), JOSA 67: 1376

Atmospheric propagation of partially coherent radiation (T), JOSA 68: 175

Atmospheric refractive effects on coherent lidar performance at 10.6  $\mu$ m (E), AO 18: 3911

Atmospheric scintillation of optical and infrared waves: a laboratory simulation (E), AO 16: 2242

Atmospheric turbulence chamber for optical transmission experiment: characterization by thermal method (E), AO 17: 3755

Atmospheric turbulence compensation using coherent optical adaptive techniques (E), AO 15: 622

Atmospheric turbulence effects on the phase of laser beams (ET), AO 13: 1582

Atmospheric turbulence parameters from visual resolution (E), AO 14: 847

Averaged threshold receiver for direct detection of optical communications through the lognormal atmospheric channel (T), AO 16: 2669

Bandwidth specification for adaptive optics systems (T), JOSA 67: 390

Beam wander in a turbulent medium: an application of Ehrenfest's theorem (T), JOSA 65: 942

Beam wave two-frequency mutual-coherence function and pulse propagation in random media: an analytic solution (T), AO 18: 1613

Bump in the variance of long intensity (A), JOSA 68: 539

Capacity of polarization and amplitude modulated links in the presence of atmospheric scintillation (T), AO 16: 1993

Changes in the atmospheric-lens modulation transfer function used for calibration in solar speckle interferometry (TE), JOSA 68: 1063

Clear air turbulence detector (P), AO 14: 2550

$C_n^2$  measurements in a laboratory-generated turbulence by thermal and optical methods (A), JOSA 68: 539



- COAT compensation for turbulence and thermal blooming with realistic complex targets (A), JOSA 65: 1212
- Coherent optical adaptive techniques (E), AO 13: 291
- Coherent optical adaptive techniques: design and performance of an 18-element visible multidither COAT system (E), AO 15: 611
- Combined effects of atmospheric turbulence and thermal blooming on the propagation of high-power laser beams (A), JOSA 64: 1391
- Comparison of a corner-cube retroreflector and a plane mirror in folded path transmission through turbulence (A), JOSA 66: 1067
- Comparison of scintillometer and microthermometer measurements of  $C_n^2$  (E), JOSA 65: 938
- Computer simulation studies of restoration of turbulence-degraded images (A), JOSA 66: 174
- Conditional fading statistics of scintillation (E) (A), JOSA 68: 756
- Construction and calibration of phase perturbation plates in photoresist (A), JOSA 66: 1065
- Contributions of water vapor absorption lines to fluctuations of infrared absorption and refractive index in atmospheric turbulence (A), JOSA 69: 1413
- Controlled simulation of turbulence effects on optical propagation (A), JOSA 68: 1369
- Correlation and structure functions for arbitrary optical beams in a random medium (T) (L), JOSA 68: 536
- Correlation between angle-of-arrival fluctuations on the entrance pupil of a solar telescope (ET), JOSA 67: 1065
- Correlation between angle-of-arrival fluctuations in the entrance pupil of a solar telescope (errata), JOSA 68: 277
- Daytime  $r_0$  evaluated from vertical microthermal measurements (E), AO 16: 2419
- Detection of atmospheric turbulent layers by spatiotemporal and spatioangular correlation measurements of stellar-light scintillation (ET), JOSA 64: 1000
- Detection of optical pulses: the effect of atmospheric scintillation (T), AO 15: 2501
- Diffraction-limited atmospheric imaging of extended objects (T), JOSA 66: 469
- Diffraction theory of optical scintillations due to turbulent layers (T), JOSA 65: 78
- Direct measurements of the model of the atmospheric turbulence (E) (L), AO 15: 1903
- Effect of anomalous dispersion by water vapor on  $C_n^2$  for IR propagation (A), JOSA 68: 1425
- Effect of finite bandwidth on far-field performance of modal wavefront—compensative systems (T), JOSA 69: 819
- Effect of large eddies on beam wander (A), JOSA 64: 1390
- Effect of recording process in evaluating higher-order propagation statistics (TE) (L), JOSA 68: 1350
- Effect of source temporal coherence on light scintillations in weak turbulence (T), JOSA 69: 71
- Effects of atmospheric propagation on mean optical irradiance of a LED (A), JOSA 68: 541
- Effects of atmospheric turbulence on the laser cross-beam velocimeter (T), JOSA 64: 1005
- Effects of random path fluctuations on the accuracy of laser ranging systems (T), AO 15: 2539
- Effects of the clear, turbulent atmosphere upon optical propagation (A), JOSA 65: 1182
- Efficiency of some correction systems (T), OL 4: 15
- Einfluss der Zintillation auf den Faktor  $k$  der Sonnenfleckenrelativzahl (E), AO 14: 395
- Elementary derivation of phase fluctuations of an optical wave in the atmosphere (A), JOSA 66: 1061
- Enhanced variance of irradiance from target glint (TE) (L), AO 18: 3211
- Equivalence of two theories of strong optical scintillation (T), JOSA 64: 1641
- Evaluation of  $r_0$  for propagation down through the atmosphere (T), AO 13: 2620
- Examination of scaling laws for  $C_n^2$  in the layer adjacent to ocean waves (A), JOSA 68: 539
- Experimental test of an infrared phase conjugation adaptive array (E), JOSA 67: 269
- Experimental verification of the inertial model of atmospheric turbulence from solar limb motion (E), JOSA 68: 1056
- Extreme-value statistics for laser speckle patterns observed through finite-size scanning apertures (T), JOSA 68: 783
- Fine calibration of large-aperture optical scintillometers and an optical estimate of inner scale of turbulence (TE), AO 17: 3608
- Finite aperture optical scintillometer for profiling wind and  $C_n^2$  (ET), AO 17: 3774
- Focused beams, reciprocity, and heterodyne detection (A), JOSA 65: 1218
- Focused-laser-beam scintillations in the turbulent atmosphere (T) (L), JOSA 64: 516
- Generalized spherical wave mutual coherence function (T) (L), JOSA 67: 1279
- Ground-level refractive-index structure parameter ( $C_n^2$ ) for various surfaces (A), JOSA 68: 1370
- Higher-order skewness and excess coefficients of some probability distributions applicable to optical propagation phenomena (T) (L), JOSA 69: 199
- High power laser propagation (R), AO 15: 1479
- High-resolution imaging systems through turbulent media (A), JOSA 64: 561
- Image centroid motion of an extended Lambertian target (A), JOSA 67: 1377
- Imaging in the presence of random wave aberrations (T), JOSA 69: 717
- Imaging of extended objects through a turbulent atmosphere (T), AO 13: 431
- Index of refraction structure parameter in the real atmosphere—an overview (A), JOSA 68: 539
- Index of refraction turbulence effects on thermal blooming in laboratory experiments (E), AO 18: 698
- Influence of exposure time on spectral properties of turbulence-degraded astronomical images (TE), JOSA 65: 664
- Infrared laser Doppler radar systems for the remote detection of atmospheric turbulence (A), JOSA 64: 539
- Infrared noise caused by turbulent flows (T), AO 17: 3911
- Infrared passbands for clear-air-turbulence detection (ET), OL 3: 130
- Instantaneous intensity distribution in a focused laser beam at  $0.63\ \mu\text{m}$  and  $10.6\ \mu\text{m}$  propagating through the atmosphere (E), AO 14: 2747
- Intensity fluctuations of an atmospherically degraded beam at the focus of a large collecting lens (ET) (L), AO 16: 1128
- Intensity fluctuations of optical radiation in scattering media (TE), AO 14: 2731
- Intensity fluctuations resulting from partially coherent light propagating through atmospheric turbulence (A), JOSA 68: 1369
- Intensity fluctuations resulting from partially coherent light propagating through atmospheric turbulence (T), JOSA 69: 73
- Intermittency of atmospheric turbulence as determined by angle-of-arrival measurement (A), JOSA 66: 1066
- Irradiance fluctuations of a spherical wave propagating under saturation conditions (T), JOSA 64: 1526
- Irradiance scintillation of a partially coherent source in extremely strong turbulence (A), JOSA 68: 1369
- Irradiance scintillations: comparison of theory with experiment (TE), JOSA 65: 548
- Irradiance scintillations of a partially coherent source in extremely strong turbulence (T) (L), AO 18: 1133
- Isoline approach to portraying atmospheric turbulence (A), JOSA 64: 540
- Isoline approach to portraying atmospheric turbulence induced laser beam spread (T), AO 16: 1606
- Isoplanatic distance of the turbulent atmosphere (A), JOSA 64: 540
- Isoplanicity: the translation invariance of the atmospheric Green's function (T), JOSA 65: 1321
- Joint signal current probability distribution for optical heterodyne receiver arrays in the turbulent atmosphere (TE), AO 18: 2315
- $K$  distributions in atmospheric propagation of laser light (A), JOSA 69: 1412
- $K$  distributions in atmospheric propagation of laser light (T) (L), JOSA 69: 796
- Kitt Peak speckle camera (E), AO 18: 1034
- Laboratory simulation of atmospheric turbulence (A), JOSA 68: 539
- Laser Applications to Atmospheric Sciences: a Bibliography: NASA CR 2536. By Franklin S. Harris, Jr. (B). Reviewed by Silverman, Shirleigh, AO 15: 847
- Laser-beam scintillation beyond the turbulent atmosphere (A), JOSA 65: 1217
- Laser-beam scintillation beyond the turbulent atmosphere: a numerical computation (TE), AO 15: 2534
- Laser propagation experiments using a controlled turbulent gaseous mixture (A), JOSA 67: 1375
- Laser propagation through a random medium (A), JOSA 68: 1370
- Lead-angle effects in turbulence-compensating reciprocity tracking systems (T) (L), AO 17: 165
- Least-squares fitting a wave-front distortion estimate to an array of phase-difference measurements (T), JOSA 67: 370
- Limitation on image resolution imposed by a random medium (A), JOSA 66: 1065
- Limitation on image resolution imposed by a random medium (T), AO 17: 348
- Limits of phase compensation for turbulence (A), JOSA 65: 1212
- Log-normal paradox in atmospheric scintillations (T), JOSA 64: 583
- Long- and short-term Strehl ratios for turbulence with finite inner and outer scales (T), AO 18: 984
- Long-term statistics for atmospheric turbulence near the ground (A), JOSA 68: 539
- Long-term uplink irradiance statistics from reciprocity (T) (L), AO 14: 805
- Maximum likelihood method for obtaining near-diffraction-limited images through the turbulent atmosphere (A), JOSA 67: 1415
- Mean amplitude and mean irradiance of optical waves in turbulent air (A), JOSA 64: 540
- Mean received field statistical behavior of a focused-beam propagation through the turbulent atmosphere (A), JOSA 65: 1218
- Mean vertical profile of atmospheric turbulence relevant for astronomical seeing (E), JOSA 66: 1380
- Measurement of averaged squared modulus of atmospheric-lens modulation transfer function (ET), JOSA 64: 1129
- Measurement of optical wave propagation on a vertical atmospheric path (A), JOSA 68: 1367
- Measurement of the amplitude of phase excursions in the earth's atmosphere (ET) (L), JOSA 66: 143
- Measurement of the amplitude of phase excursions in the earth's atmosphere (ET) (errata), JOSA 66: 981
- Measurement of the atmospheric correlation scale (A), JOSA 66: 1067
- Measurement of the atmospheric correlation scale (E), JOSA 67: 1680
- Measurement of the phase structure function (A), JOSA 68: 539
- Measurement of the size of the isoplanatic patch using a phase-correcting telescope (E), JOSA 69: 84
- Measurements of altitude dependence of atmospheric turbulence (A), JOSA 68: 539
- Measurements of the atmospheric attenuation of the spectral components of astronomical images (ET), JOSA 66: 478
- Measurements of three-parameter log-normally distributed optical-field irradiance fluctuations in a turbulent medium (TE), JOSA 65: 655
- Messung der Richtungszintillation mit einem Schnittbildentfernungsmesser (TE), AO 17: 2622
- Method for processing stellar speckle data (T): comments (L), JOSA 69: 1394
- Minimizing atmospheric dispersion effects in compensated imaging (T), JOSA 67: 407
- Modal compensation of atmospheric turbulence phase distortion (T), JOSA 68: 78
- Modified spectrum of atmospheric temperature fluctuations and its application to optical propagation (T), JOSA 68: 892
- Multiple pulse detection in atmospheric turbulence (T), AO 17: 2721
- Mutual coherence function and frequency spectrum of a laser beam propagating through atmospheric turbulence (T), JOSA 64: 592
- Mutual coherence function of a wave front corrected by zonal adaptive optics (T), JOSA 69: 549
- New strong path-integrated turbulence measurements (A), JOSA 66: 1066
- Noise considerations in stellar speckle interferometry (T), JOSA 67: 1176
- Nonstationarity of the atmospheric transfer function (A), JOSA 66: 1065



- Normal-mode approach to wave propagation in the turbulent atmosphere (T), AO 13: 2614
- Observational results on marine fog related variation of small-scale turbulence parameters ( $C_T^2$  and  $\epsilon$ ) (A), JOSA 68: 539
- Observations of eclipse shadow bands and related phenomena (E) (L), AO 18: 3538
- Optical beam propagation for a partially coherent source in the turbulent atmosphere (T), JOSA 69: 1297
- Optical  $C_T^2$  from the poles to the tropics, derived from acoustic measurements (A), JOSA 66: 1066
- Optical coherence through turbid media (A), JOSA 68: 641
- Optical communication through atmospheric turbulence (A), JOSA 68: 1398
- Optical propagation in laboratory-generated turbulence (E), AO 18: 3315
- Optical propagation in turbulent water (T), JOSA 68: 1067
- Optical propagation through turbulence, OSA topical meeting, Boulder, 9-11 Jul 1974 (M), Reported by Bufton, Jack L., AO 13: 2453
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- Optical propagation through turbulence, meeting, Univ. Colorado, 9-11 Jul 1974 (N), JOSA 64: 740
- Optical pulse propagation through turbulence, rain, and fog (A), JOSA 68: 540
- Optical pulses in atmospheric turbulence (T), JOSA 64: 68
- Optical remote sensing of atmospheric turbulence: a comparison with simultaneous thermal measurements (E), AO 18: 243
- Optical resolution through a turbulent medium with adaptive phase compensations, JOSA 67: 383
- Optical scattering and diffusion in turbulence and scatterers (A), JOSA 68: 1368
- Optical studies of turbulence in an internal combustion engine (A), JOSA 68: 656
- Optical transmission in the atmosphere over the ocean (A), JOSA 68: 1366
- Optimal wave-front estimation, JOSA 67: 378
- Optimum adaptive imaging through atmospheric turbulence (T), AO 13: 2609
- Partial tracking optical heterodyne arrays (T), JOSA 68: 1673
- Passive imaging through the turbulent atmosphere: fundamental limits on the spatial frequency resolution of a rotational shearing interferometer (T), JOSA 68: 67
- Performance of a phase-compensated laser beam through atmospheric turbulence (A), JOSA 68: 540
- Perturbed log-normal distribution of irradiance fluctuations (T), JOSA 64: 994
- Phase approximation of the Huygens-Kirchhoff method in problems of laser-beam propagation in the turbulent atmosphere (T), OL 1: 172
- Phase approximation of the Huygens-Kirchhoff method in problems of space-limited optical-beam propagation in turbulent atmosphere (T), OL 4: 259
- Phase approximation of the Huygens-Kirchhoff method in problems of reflections of optical waves in the turbulent atmosphere (T), JOSA 69: 1609
- Phase-compensated optical beam propagation through atmospheric turbulence (T), AO 17: 2580
- Phase conjugate adaptive optics using perimeter phase measurement (T), JOSA 67: 278
- Phase difference and angle-of-arrival fluctuations in tracking a moving point source (T), AO 13: 2869
- Phase fluctuations in a turbulent medium (T), AO 16: 3190
- Phase-front distortion of laser radiation in a turbulent atmosphere (ET), AO 14: 2857
- Phase structure function for Gaussian beam (A), JOSA 64: 549
- Photon-counting measurements of optical-field irradiance fluctuations in a turbulent atmosphere (A), JOSA 65: 1218
- Physical model for optical propagation in random media (A), JOSA 68: 540
- Physical model for strong optical-amplitude fluctuations in a turbulent medium (T), JOSA 64: 59
- Point-ahead limitation on reciprocity tracking (T), JOSA 65: 65
- Postprocessing of imagery from active optics: some pitfalls (T), AO 16: 175
- Power spectra requirements for wave-front-compensative systems (T), JOSA 66: 193
- Prediction of the temporal scintillation spectrum of a blemished laser beam (A), JOSA 67: 1375
- Probability distribution of turbulent irradiance in a saturation regime (ET), AO 18: 1590
- Probability of getting a lucky short-exposure image through turbulence (T), JOSA 68: 1651
- Propagation-medium limitations on phase-compensated atmospheric imaging (T), JOSA 66: 460
- Propagation of pulsed beam waves through turbulence, cloud, rain, or fog (T), JOSA 67: 1261
- Propagation of the mutual coherence function for an infinite plane wave through a turbid medium (A), JOSA 68: 541
- Pulsed resonance spectroscopy applied to turbulent combustion flows (TE), AO 15: 955
- Real-time correction of atmospherically degraded telescope images through image sharpening (T), JOSA 64: 1200
- Real-time wavefront correction through Bragg diffraction of light by sound waves (TE), JOSA 65: 271
- Reconstruction of an object from the modulus of its Fourier transform (TE), OL 3: 27
- Reconstruction of turbulence-degraded images by spectral ratio measurements (T) (L), JOSA 67: 843
- Reconstruction of turbulence-degraded images using nonredundant aperture arrays (T), JOSA 68: 883
- Refractive-index structure constant dependence on height (E) (L), JOSA 69: 1616
- Refractive-turbulence profiles measured by one-dimensional spatial filtering of scintillations (TE), AO 15: 2504
- Remote detection of clear air turbulence from infrared observations of water vapor (A), JOSA 66: 1066
- Remote intensity fluctuation measurements with a laser Doppler radar (L), AO 15: 2008
- Remote probing using spatially filtered apertures (TE), JOSA 64: 1295
- Representation of observable signals in Chebyshev polynomials: application to phase-sensitive detection (T), JOSA 69: 978
- Resolution of partially coherent objects by use of speckle interferometry (T), JOSA 64: 155
- Results for the variance of the irradiance of a finite beam in a random medium (T) (L), JOSA 65: 608
- Results on the effect of turbulence on phase-compensated systems (T), JOSA 66: 730
- Results on the imaging of incoherent sources through turbulence (T), JOSA 66: 574
- Saturation of optical scintillation by strong turbulence (TE), JOSA 64: 148
- Saturation-resistant optical scintillometer to measure  $C_T^2$  (TE), JOSA 68: 334
- Scintillation effects of high-altitude turbulence (A), JOSA 64: 540
- Scintillations in strong turbulence for finite laser spectral widths (A), JOSA 68: 540
- Scintillation statistics caused by atmospheric turbulence and speckle in satellite laser ranging (T), AO 16: 2408
- Self-induced irradiance fluctuations of a laser beam in an absorbing, turbulent medium (T), JOSA 64: 1645
- Semiempirical model of laser beam propagation in turbulence (A), JOSA 67: 1376
- Short-term average irradiance profile of an optical beam in a turbulent medium (T), AO 15: 2922
- Signal current probability distribution for optical heterodyne receivers in the turbulent atmosphere. 1 (T), AO 17: 2141
- Signal current probability distribution for optical heterodyne receivers in the turbulent atmosphere. 2 (E), AO 17: 2148
- Simultaneous multipoint temperature measurements in turbulent atmosphere (A), JOSA 68: 539
- Slewed source angle-of-arrival measured with a centroid detector (A), JOSA 66: 1066
- Spatial correlation of phase-expansion coefficients for propagation through atmospheric turbulence (T), JOSA 69: 712
- Spatial spikes of laser irradiance propagating over large distances in a turbulent medium (T), AO 15: 1172
- Speckle intensity crosscovariance function for two misaligned laser beams in a turbulent atmosphere (A), JOSA 69: 1412
- Speckle interferometry at finite spectral bandwidths and exposure times (E), JOSA 68: 480
- Speckle propagation through turbulence: experimental (E), JOSA 68: 760
- Spectral covariance of scintillations (E) (L), AO 15: 2305
- Spectral expansion method in problems of laser-beam propagation in the turbulent atmosphere (T), OL 3: 184
- Statistical measurements of intensity fluctuations of a laser beam transmitted through a turbulent atmosphere (A), JOSA 64: 1390
- Statistical measurements of speckle propagation through the turbulent atmosphere (A), JOSA 68: 640
- Statistics of irradiance from coherently illuminated targets in the atmosphere (A), JOSA 68: 1369
- Statistics of irradiance scattered from a diffuse object containing multiple glints (A), JOSA 68: 1369
- Statistics of speckle propagation through the turbulent atmosphere (A), JOSA 66: 180
- Statistics of speckle propagation through the turbulent atmosphere (A), JOSA 68: 540
- Statistics of speckle propagation through the turbulent atmosphere, JOSA 66: 1164
- Statistics of stellar speckle patterns (E), AO 17: 3779
- Statistics of the optical transfer function: Correlated random amplitude and random phase effects (T), JOSA 69: 544
- Strong irradiance fluctuations in turbulent air, III. Diffraction cutoff (T), JOSA 64: 360
- Sums of independent lognormally distributed random variables (T), JOSA 66: 211
- Supersaturation: effect of a high-frequency cutoff on strong optical-scintillation measurements (T), JOSA 64: 1211
- Tatarskii's investigations into the foundations of the theory of radiative energy transfer (A), JOSA 66: 1065
- Temporal-frequency spectrum of an optical wave propagating under saturation conditions (T), JOSA 64: 357
- Temporal moments of pulsed beam waves in turbulent media (A), JOSA 68: 540
- Theory of spatially limited light beam displacements in a randomly inhomogeneous medium (T), JOSA 67: 1073
- Threshold detection in an on-off binary communications channel with atmospheric scintillation (T), AO 14: 1413
- Tracking turbulence-induced tilt errors with shared and adjacent apertures (T), JOSA 67: 282
- Transfer functions, correlation scales, and phase retrieval in speckle interferometry (E), JOSA 67: 1583
- Turbulence-degraded beam quality: improvement obtained with a tilt-correcting aperture (T), AO 16: 665
- Turbulence effects on target illumination by laser sources: phenomenological analysis and experimental results (ET), AO 16: 1345
- Turbulence of the upper atmosphere and isoplanatism (E), AO 18: 2654
- Two-source spherical-wave structure functions in atmospheric turbulence (T) (L), JOSA 66: 74
- Undersampling errors in measuring the moments of images aberrated by turbulence (T), AO 18: 3064
- Upper and lower atmosphere and refractive-index profiles (E), AO 16: 2252
- Variance and covariance of irradiance of finite beam in extremely strong turbulence (T), 167 (A), JOSA 68: 540
- Vertical path atmospheric MTF measurements (ET), JOSA 69: 828
- Wave-front compensation error due to finite corrector-element size (T), JOSA 67: 393
- Wave-front reconstruction for compensated imaging (T), JOSA 67: 375
- Wavelength dependence of seeing (TE), JOSA 68: 877
- Waves in random media: weak scattering reconsidered (T), JOSA 68: 475
- Wind and refractive-turbulence sensing using crossed laser beams (TE), AO 13: 2602
- Zernike polynomials and atmospheric turbulence (T), JOSA 66: 207

## Twilight

See also Atmospheric optics



- Monte Carlo studies of the sky radiation at twilight (T), AO 13: 534
- Multiple-scattering effects of twilight color in real earth atmospheric models (A), JOSA 64: 1390
- New twilight simulations for atmospheric studies (A), JOSA 64: 1391
- Recent measurements of twilight polarization (E) (L), AO 13: 219

## Ultrasonics

- See also Acoustics
- Holographic imaging system by ultra-sound (P), AO 13: 12A26
- Limits to the detection of small internal voids in solids with holographic techniques (T), AO 13: 1711
- Liquid crystal devices and systems for ultrasonic imaging (P), AO 13: 3A26

## Ultraviolet

- See also Spectroscopy, ultraviolet
- Absorption spectra of Zn I and Cd I in the 1300–1750 region (E), JOSA 65: 1404
- Absorption spectrum of Pb I between 1350 and 2041 Å (E), JOSA 67: 1240
- Absorption spectrum of Si I between 1500 and 1900 Å (ET), JOSA 64: 1665
- Analysis of the spectrum of quadruply ionized aluminum (Al V) (TE), JOSA 64: 1063
- Assessment of the ultraviolet range of artificial light sources for the best fit to standard illuminant D65 (T), AO 14: 726
- Assessment of the ultraviolet range of artificial light sources for the best fit to standard illuminant D65 (T) (L), AO 16: 806
- Astro 7 zodiacal light UV polychromator and its absolute radiometric calibration (E), AO 17: 730
- Asymmetric concave gratings: theory and applications (T), JOSA 64: 319
- Atmospheric scattering of middle UV radiation from an internal source (T), AO 17: 3216
- Auger spectroscopic examination of MgF<sub>2</sub>-coated Al mirrors before and after UV irradiation (E), AO 16: 1886
- Aureole radiance field about a source in a scattering-absorbing medium (T), AO 17: 1911
- Automatic phase-matched frequency-doubling system for the 240–350-nm region (E), AO 18: 193
- Backscattered ultraviolet radiation from turbid and spherical atmosphere (A), JOSA 68: 1434
- Balloon-borne ultraviolet stellar echelle spectrograph (A), JOSA 66: 1096
- Beam-foil spectroscopy of neon between 80 and 350 Å (E), JOSA 65: 991
- Beam-foil study of nitrogen between 100 and 400 Å (E), JOSA 64: 1011
- Color vision in the ultraviolet (A), JOSA 65: 1199
- Configurations of quadruply ionized aluminum (Al V),  $2p^4$ ,  $4f$ ,  $5f$ , and  $5g$  (E), JOSA 65: 1399
- Configurations of  $4s^2 4p^4$  and  $4s 4p^5$  in Rb IV and Sr V (E), JOSA 64: 696
- Construction, calibration, and application of a compact spectrophotometer for EUV (300–2500-Å) plasma diagnostics (E), AO 18: 1209
- Continuous wave UV radiation tunable from 285 nm to 400 nm by harmonic and sum frequency generation (E), AO 17: 721
- Cylindrical and spherical gratings (T), JOSA 64: 654
- Design of simple rotating stigmatic concave grating monochromators (T) (L), AO 13: 2739
- Deuterium lamp as a UV continuum source from 160 nm to 320 nm for space applications (E), AO 18: 3938
- Diffuse-direct ultraviolet ratios with a compact double monochromator (ET), AO 17: 827
- Direct current cathaphoretic effects on Hg 2537-Å radiation from Hg + Ar discharges (dc fluorescent lamps) (E), AO 15: 64
- Effect of UV irradiation on the reflectance of silicon-oxide-protected aluminum in the far UV (E) (L), AO 17: 3031
- Efficient averaging spheres for visible and ultraviolet wavelengths (ET), AO 14: 1940
- Efficient single-scatter model for atmospheric optical propagation (A), JOSA 68: 1357
- Extension of atmospheric light scattering measurements into the UV region (TE) (L), AO 18: 1281
- Extreme ultraviolet reflectance of optically polished electroless nickel (A), JOSA 66: 1119
- Field-enhancement of photoemission from cesium telluride (ET), AO 17: 1789
- Fluorescent efficiency of sodium salicylate between 116 and 600 Å (E) (L), JOSA 64: 1346
- Fourier transform spectroscopy in the visible and ultraviolet range, AO 17: 1327
- Fresnel zone plate for optical image formation with short wavelength radiations (ET), AO 16: 1070
- Gas discharge response to light: dependence of linearity on space charge for optogalvanic and excited-state photoionization signals (ET), AO 18: 3513
- Generation of coherent cw radiation tunable from 211 nm to 216 nm (E) (L), AO 17: 2270
- Generation of tunable continuous-wave ultraviolet radiation from 257 to 320 nm (E), OL 1: 58
- Grotrian charts for atoms and ions of rare gases (ET) (L), JOSA 64: 396
- Guide number for light sources that emit ultraviolet radiation (TE) (L), AO 15: 574
- High density data storage on ultraviolet sensitive tape (E), AO 13: 857
- Higher Excited States of Polyatomic Molecules. By Melvin B. Robin (B). Reviewed by Tobin, Marvin C., JOSA 65: 746
- Imaging extended objects with a Fresnel-zone-plate aperture (T), JOSA 64: 134
- Improved detection of ultraviolet radiation with gas-filled phototubes through photoionization of excited atoms (ET), AO 16: 2470
- Improved miniature long-lived UV light source (E) (L), AO 15: 2968
- Improving analysis from second-derivative UV-absorption spectrometry (TE), AO 17: 724
- Interference filters for the ultraviolet and the surface plasmon of aluminum (A), JOSA 64: 548
- Interference filters for the ultraviolet and the surface plasmon of aluminum (ET), AO 13: 1209
- Interference suppression in HO fluorescence detection (E) (L), AO 18: 3216
- Interferometer-grating spectrograph for high resolution astronomical spectroscopy in the middle UV (E), AO 17: 2119
- Kramers-Kronig analysis: revised optical constants, JOSA 64: 830
- Lyman-alpha radiation source with high spectral purity (E) (L), AO 16: 2634
- Lyman-alpha radiation source with high spectral purity (errata), AO 17: 1853
- Lyman-band fluorescence intensity vs H<sub>2</sub> pressure (E), JOSA 65: 320
- Mass absorption coefficients of Parylene N at soft x-ray and vacuum-ultraviolet wavelengths (E) (L), JOSA 65: 1515
- Metameric white samples for testing the relative UV content of light sources and of natural daylight (E), AO 18: 1067
- Microchannel plate life tests (E), AO 16: 1435
- Narrowband ultraviolet vapor filter (ET), AO 14: 238
- Phase zone plates for x rays and the extreme UV (T), JOSA 64: 301
- Polarimetry of skylight in the ultraviolet (A), JOSA 69: 1411
- Production of a large unsupported carbon-film ultraviolet filter (E) (L), AO 17: 321
- Propagation of Visible and Infrared Radiation in the Atmosphere. By V. E. Zuev (B). Reviewed by Derr, Vernon E., AO 14: 1238
- Pulsed UV nitrogen laser: dynamical behavior (TE), AO 15: 756
- Pulsed UV nitrogen laser: its intensity and linewidth (TE) (L), AO 15: 1117
- Quantitative studies of HNO<sub>3</sub> vapor absorption in 1700–2636-Å wavelength region (ET), AO 13: 1202
- Radiometer to monitor low levels of ultraviolet irradiance (E), AO 13: 493
- Ratio measurement of diffuse to direct solar irradiances in the middle ultraviolet (E), AO 15: 1182
- Reflectance and optical constants for ULE from 250 to 3000 Å (A), JOSA 65: 1169
- Reflectance and optical constants for Cer-Vit from 250 to 1050 Å (E), JOSA 64: 834
- Refractive index of He in the region 920–1910 Å (E), JOSA 64: 390
- Refractive index of some oxide and fluoride coating materials (T), AO 18: 111
- Revised analysis of the  $2p^3 3s$ ,  $3p$ ,  $3d$ , and  $4s$  configurations of triply ionized aluminum (Al IV) (ET), JOSA 64: 197
- Satellite finds sky ripe for ultraviolet research (N), AO 18: A148
- Scattering of ultraviolet radiation by aerosols in the lower atmosphere (A), JOSA 67: 259
- Second-order focusing conditions for ruled concave gratings (T), JOSA 64: 1616
- Silicon photodetector instabilities in the UV (E) (L), AO 15: 1377
- Skylab ultraviolet stellar astronomy experiment S019 (E), AO 16: 973
- Spectral absorption of AgCl (E) (L), JOSA 69: 631
- Spectral irradiance standard for the ultraviolet (A), JOSA 66: 1097
- Spectral irradiance standard for the ultraviolet: the deuterium lamp (E), AO 17: 593
- Spectral radiance calibrations between 165–300 nm: an interlaboratory comparison (E) (L), AO 16: 1788
- Spectra of N VI, O VII, F VII, and F VIII in the grazing-incidence region (E), JOSA 64: 699
- Spectrum and energy levels of quadrupole-ionized vanadium (V V) (ET), JOSA 64: 498
- Spectrum and energy levels of singly ionized rubidium (Rb II) (E), JOSA 65: 286
- Spectrum of doubly ionized yttrium (Y III) (E), JOSA 65: 310
- Spectrum of doubly ionized yttrium (Y III) (E) (errata), JOSA 66: 981
- Spectrum of Rb III observed with a pulsed-rf light source (E), JOSA 65: 988
- Sum frequency mixing in potassium pentaborate as a source of tunable coherent radiation at wavelengths below 217 nm (E), AO 15: 3131
- Thickness of absorbing films necessary to measure their optical constants using the reflectance vs angle of incidence method (E), JOSA 64: 429
- Total ozone determination by spectroradiometry in the middle ultraviolet (E), AO 18: 850
- Tropospheric UV flux calculations and photolysis rates for use with zonally and diurnally averaged models (T), AO 18: 3421
- Two-element refractive correctors for UV telescopes (A), JOSA 68: 1374
- Two-photon absorption coefficients in UV window and coating materials (E), AO 18: 1015
- Ultraviolet and x-ray facilities available at Stanford (N), AO 13: 1394
- Ultraviolet aureole around a source at a finite distance (T), AO 17: 1923
- Ultraviolet enhanced responsivity of silicon photodiodes: an investigation (ET), AO 16: 1539
- Ultraviolet irradiation device (P), AO 18: 3347
- Ultraviolet limit of solar radiation at the earth's surface with a photon counting monochromator (E) (L), AO 17: 683
- Ultraviolet optical properties of Li (E), JOSA 64: 839
- Ultraviolet polarimeter to record resonance-line polarization in the solar spectrum around 130–150 nm (E), AO 15: 1188
- Ultraviolet radiation detector (P), AO 18: 261
- Ultraviolet reflectivities from airborne measurements (A), JOSA 69: 1401
- Ultraviolet response of InGaAsP photocathodes (E) (L), AO 16: 800
- Ultraviolet response of semitransparent multialkali photocathodes (E) (L), AO 15: 2298
- Ultraviolet sensitization of silicon detectors for space astronomical applications (E) (L), AO 18: 2085
- Ultraviolet spectrophotometer for measuring columnar atmospheric ozone from aircraft (ET), AO 17: 1649
- Ultraviolet windows in commercial sunglasses (E), AO 16: 515
- Use of hafnium dioxide in multilayer dielectric reflectors for the near UV (E), AO 16: 439

## Ultraviolet, extreme

- Aberrations of a facet-type transmission grating for cosmic x-ray and XUV spectroscopy (T), AO 17: 2304
- Aspheric grating for extreme ultraviolet astronomy (T), AO 17: 1252
- Channel electron multipliers as secondary standard detectors at EUV wavelengths (E), AO 13: 1417



- Coherent radiation in the XUV (A), JOSA 67: 1368
- Collimation and focusing of x rays and extreme ultraviolet with bent glass strips (A), JOSA 66: 1136
- Continuous discharge Penning source with emission lines between 50 Å and 300 Å (E), AO 18: 649
- Diffraction grating transmission efficiencies for XUV and soft x rays (E), AO 16: 1088
- Experience with Schumann-type XUV film on Skylab (E), AO 16: 887
- Extreme ultraviolet photometer for observations of helium in interplanetary space (E), AO 16: 756
- Extreme ultraviolet reflection efficiencies of diamond-turned aluminum, polished nickel, and evaporated gold surfaces, AO 17: 3309
- Extreme ultraviolet spectrograph ATM experiment S082B (E), AO 16: 879
- Extreme ultraviolet spectroheliograph ATM experiment S082A (E), AO 16: 870
- Extreme ultraviolet spectrometer for space research (E), AO 13: 575
- Extreme ultraviolet spectroscopy with the Harvard Skylab experiment (A), JOSA 64: 1375
- Fabrication and performance of the Berkeley extreme-ultraviolet stellar spectrometer (A), JOSA 68: 1430
- Fabrication of transmission gratings for use in cosmic x-ray and XUV astronomy (E), AO 18: 3502
- Forward photoemission from thin carbon foils (E) (L), AO 18: 3732
- Gain-verification problem in extreme ultraviolet lasing (E), OL 2: 100
- Grazing-incidence mirror system for use with a grating spectrometer in the extreme ultraviolet (ET), AO 13: 1216
- Grazing incidence spectrograph-monochromator with a focusing toroidal mirror (TE), AO 18: 1900
- Lifetime measurements in O VI, O v, and O IV between 100 and 1700 Å (ET), JOSA 66: 842
- L-series satellite spectra in Ti XII and Fe XVI (E), JOSA 69: 1133
- Mass absorption coefficients for polypropylene and Parylene C between 8.34 Å and 452 Å (E) (L), AO 13: 1744
- Mean-life measurements for some terms in C II, C III, and C IV (E) (L), JOSA 68: 1000
- Mean-life measurements for some terms in C II, C III, and C IV (errata), JOSA 68: 1787
- Mean wavelength and spectral width of transition arrays in XUV atomic spectra (TE) (L), JOSA 68: 1136
- Measurement of absolute intensity of radiation in XUV by a rare-gas photoelectron counter (E), AO 16: 3115
- Measurement of energy and angular distributions of extreme ultraviolet photoelectrons (E), AO 13: 438
- NRL-ATM extreme ultraviolet solar image TV monitor flown on skylab (ET), AO 16: 893
- Observations of  $n = 3 \rightarrow n' = 4$  transitions in the Mg I and Si I sequences for elements chromium through zinc (TE), JOSA 68: 1558
- One-dimensional photon-counting detector array for use at EUV and soft x-ray wavelengths (E), AO 14: 1632
- Results from the NRL XUV experiments on Skylab (A), JOSA 64: 523
- Rotating beam splitter for the extreme vacuum ultraviolet (E), AO 13: 1412
- Satellite spectra from laser-produced plasmas of Be, B, C, N, and O in He-like and Li-like configurations (E), JOSA 67: 1033
- Simple selection rules for VUV and XUV diffraction gratings (TE), AO 17: 1087
- Skylab observations of the sun (170–630 Å) with the NRL objective grating spectroheliograph (A), JOSA 64: 1375
- Solar XUV grazing incidence spectrograph on Skylab (E), AO 16: 898
- Spectra of high-resolution heliograms in the extreme-ultraviolet by use of toroidal gratings (A), JOSA 68: 1431
- Spectra of Mo XXX, XXXI, and XXXII from a laser-produced plasma (E), JOSA 67: 1521
- Spectrum and energy levels of thirteen-times ionized molybdenum (Mo XIV) (E), JOSA 69: 144
- Stigmatic observations of laser-produced plasmas with a grazing-incidence spectrograph (E), OL 4: 187
- Stigmatic performance of an XUV spectrograph with a single toroidal grating (T), AO 18: 3948
- Thin aluminum filters for use on the Apollo Telescope Mount XUV spectrographs (E), AO 16: 904
- Time response of NBS windowless XUV radiometric transfer standard detectors (E) (L), AO 14: 1764
- Typical photoefficiency between 20–250 eV of windowless XUV photodiodes with tungsten and anodized aluminum oxide photocathodes (E) (L), AO 17: 1489
- Use of classical and conical diffraction mountings for XUV gratings (TE), JOSA 68: 1106
- ### Ultraviolet, far
- All-reflecting Baker-Schmidt flat-field telescopes (T), AO 17: 141
- Balloon-borne ultraviolet stellar echelle spectrograph (E), AO 17: 604
- Compact far ultraviolet emission source with rich spectral emission 1150–3100 Å (E), AO 16: 591
- Interference filters for the far ultraviolet (E) (L), AO 13: 1275
- Multidielectric components for the far ultraviolet (E) (L), AO 13: 1276
- Optical constants of crystalline and fused quartz in the far ultraviolet (E), AO 16: 2212
- Optical properties of multilayer overcoated aluminum films in the UV (2000–2500 Å) (E), AO 15: 2216
- Quantum efficiency of a channel electron multiplier in the far ultraviolet (E) (L), AO 14: 2823
- Radiation standard (P), AO 15: 1670
- Reflective multilayer coatings for the far UV region (R), AO 15: 2333
- Sensitive far UV spectrograph with a multispectral element microchannel plate detector for rocket-borne astronomy (E), AO 15: 3123
- Spectroradiometric calibration techniques in the far ultraviolet: a stable emission source for the Lyman bands of molecular hydrogen (E), AO 14: 2133
- Time-resolved measurements of the far UV output of a BRV source (E) (L), AO 18: 2916
- Unfolding first and second order diffracted radiation when using synchrotron radiation sources: a technique (E), AO 14: 1391
- X-ray and far UV multilayer mirrors: principles and possibilities (T), AO 16: 89
- ### Ultraviolet, middle
- Influence of clouds, haze, and smog on the middle ultraviolet reaching the ground (T), AO 13: 2405
- Multiple scattering calculation of the middle ultraviolet reaching the ground (T), AO 13: 1567
- ### Ultraviolet, vacuum
- Absolute photon-flux measurements in the vacuum ultraviolet (ET), JOSA 64: 47
- Absolute radiometric calibration of detectors between 200–600 (E), AO 14: 1029
- Absolute radiometric measurements of the emission from a BRV source at 34 nm (E) (L), AO 16: 1786
- Absorption of Mn I between 1305 and 2040 Å (E), JOSA 68: 1541
- Absorption spectrum of Ag I between 1540 and 1850 Å (E), JOSA 67: 1323
- Absorption spectrum of Au I between 1300 and 1900 Å (E), JOSA 68: 243
- Absorption spectrum of Ba I between 1770 and 1560 Å (TE), JOSA 68: 817
- Absorption spectrum of Ba II in the vacuum ultraviolet (E), JOSA 66: 1400
- Absorption spectrum of fluorine F I observed with the helium continuum (E), JOSA 68: 1564
- Absorption spectrum of krypton in the vacuum UV region (E), JOSA 69: 159
- Adjustable aperture stop to control the divergence and orientation of the beam emerging from a vacuum ultraviolet monochromator (E), AO 13: 2913
- Analysis of  $4d^9-4d^8\ 5p$  transitions in Sb VII and Te VIII and the ionization limits of Sb VI and Te VII (E), JOSA 69: 132
- Analysis of 4-ionized vanadium (V V) (E), JOSA 67: 476
- Analysis of 4-ionized vanadium (V V) (E) (errata), JOSA 67: 1135
- Analysis of the spectrum of four-times-ionized lutetium (Lu V) (TE), JOSA 68: 1529
- Argon miniarc as a secondary standard of VUV spectral radiance (A), JOSA 66: 1097
- Beam-foil investigation of the iodine spectrum (A), JOSA 67: 1384
- Beam-foil studies of ionized argon in the vacuum UV (A), JOSA 67: 1383
- Beam-foil study of fluorine in the far UV (E), JOSA 69: 474
- Bolometric laser power meter for sensitive measurements in the IR–vacuum UV spectral range (E) (L), AO 17: 2268
- Calibration of radiation detectors in the VUV using a wall-stabilized Ar-cascade arc (E), AO 18: 2275
- Capillary array: a new type of window for the vacuum ultraviolet (E), AO 18: 2505
- Channel electron multiplier: its quantum efficiency at soft x-ray and vacuum ultraviolet wavelengths (E) (L), AO 15: 861
- Coatings for the far UV region (A), JOSA 66: 161
- Cold-electron temperature measurements in ELMO by excitation rate ratios of vacuum ultraviolet transitions (E) (L), AO 13: 2003
- Comparison of the efficiency of a conventional diffraction grating with the efficiencies of blazed laminar holographic gratings in the vacuum ultraviolet spectral region (A), JOSA 66: 1136
- Comprehensive analysis of gratings for ultraviolet space instrumentation (E), AO 17: 3108
- Continuous wave UV source tunable from 257 to 400 nm utilizing nonlinear doubling and mixing (A), JOSA 67: 1384
- Continuum source and a focusing technique for the 80–500- spectral range: improvements (E), AO 14: 996
- Conversion from 3371 to 1124 Å by nonresonant optical frequency tripling in compressed krypton gas (E), OL 4: 134
- $3d^2-3d4f$  transitions in V IV (E) (L), JOSA 68: 267
- $3d^2-3d4f$  transitions in V IV (E) (errata), JOSA 68: 1292
- Design criteria for reflection polarizers and analyzers in the vacuum ultraviolet (T), AO 17: 1259
- Development of a Cerenkov light source (A), JOSA 68: 629
- Effect of diffusion-pump oil contamination on diffraction grating efficiency in the vacuum ultraviolet spectral region (A), JOSA 69: 1438
- Effect of diffusion pump oil contamination on diffraction grating efficiency in the VUV spectral region (E), AO 18: 3506
- Effects of electric fields on autoionizing states of Sr (A), JOSA 67: 1384
- Effects of magnetic fields on four-wave mixing processes in atomic vapors (E), OL 3: 209
- Extension of 3p yields 3s ion lasers into the vacuum ultraviolet region (TE), AO 14: 97
- Extreme-ultraviolet spectrum of N III (ET), JOSA 64: 1164
- Extreme UV spectroheliometer on the Apollo telescope mount (E), AO 16: 837
- Far UV absolute intensity measurement: calibration of the BRV source by an ion chamber (E), AO 15: 1856
- Four-wave sum mixing in beryllium around hydrogen Lyman- $\alpha$  (E), OL 4: 360
- Generation of tunable coherent vacuum UV radiation in KB5 (E) (L), AO 17: 981
- Generation of tunable coherent vacuum UV radiation in KB5 (errata), AO 17: 2132
- Generator of cw VUV by four-wave mixing in Sr vapor (A), JOSA 68: 1378
- High-resolution and picosecond time scale vacuum ultraviolet light source (A), JOSA 67: 1384
- High-resolution laser spectroscopy in the vacuum ultraviolet (A), JOSA 68: 677
- High resolution monochromator for the VUV radiation from the DORIS storage ring (E), AO 15: 2559
- Inexpensive highly efficient VUV light detectors (E) (L), AO 18: 2346
- Infrared-XUV telescope for multipurpose applications (T), AO 16: 244
- Intensity calibration in the normal-incidence VUV region (A), JOSA 65: 1188
- Interpretation of gain experiments at 58 Å (A), JOSA 67: 1384
- KDP and ADP transmission in the vacuum ultraviolet (E) (L), AO 16: 1798
- Laser-produced plasma as a source of focused vacuum-ultraviolet continuum radiation (E), OL 4: 283



Measurement of the He  $1s2s\ ^1S_0$  isotopic shift using a tunable VUV anti-Stokes light source (E), OL 3: 162

Mesh-based semitransparent photocathodes (E), AO 14: 1667

MgF<sub>2</sub> Fabry-Perot etalon plates for the vacuum ultraviolet (E) (L), AO 15: 2626

Moderate resolution VUV rocket spectrograph (E), AO 13: 193

New continua for absorption spectroscopy from 40 to 2000 Å (E), OL 2: 72

New line classifications and energy levels in the triplet system of Xe VII (E) (L), JOSA 69: 1726

New transfer standard for VUV spectral-radiance calibrations (A), JOSA 64: 1405

Observations of Li I and Li II absorption spectra in the grazing incidence region (E), JOSA 67: 1030

One-electron spectrum of Xe VIII (L), JOSA 69: 1620

On the role of autoionizing resonances in nonlinear optics (A), JOSA 68: 674

Optical grating evaluator: a device for detailed measurement of diffraction grating efficiencies in the vacuum ultraviolet (E), AO 13: 1223

Optical properties of evaporated films of ZnS in the vacuum ultraviolet from 160 to 2000 Å (E), JOSA 68: 1319

Optical properties of evaporated platinum films in the vacuum ultraviolet from 2200 Å to 150 Å (E), JOSA 69: 1695

Penning discharge as a photoelectric EUV spectroscopy source (E), AO 16: 1902

Photoabsorption spectrum of Mg I in the range 226–170 Å (54–70 eV) (E), JOSA 69: 520

Photoemission studies of LaF<sub>3</sub> (E), JOSA 68: 521

Photoionization cross sections of metal vapors below 50 nm: an apparatus for their measurement (E), AO 15: 700

Photometric calibration of the EUV spectroheliometer on ATM (E), AO 16: 849

Plasma diagnostic using high-resolution spectroscopic techniques (T), JOSA 67: 726

Pulsed high-pressure lamp for the vacuum ultraviolet (E), JOSA 64: 1175

Quasi-stationary population inversion on  $K_\alpha$  transitions (TE), AO 14: 2243

Radiation physics, conference, Hamburg, 22–26 Jul 1974 (N), JOSA 64: 258

Reflectance and optical constants of evaporated ruthenium in the vacuum ultraviolet from 300 to 2000 Å (E), JOSA 64: 423

Reflection polarizers for the vacuum ultraviolet using Al + MgF<sub>2</sub> mirrors and an MgF<sub>2</sub> plate (A), JOSA 67: 1412

Reflection polarizers for the vacuum ultraviolet using Al + MgF<sub>2</sub> mirrors and an MgF<sub>2</sub> plate (TE), AO 17: 76

Resonance lines in the Ag I and Pd I isoelectronic sequences from Cs to Sm (A), JOSA 67: 1383

SiC, a new material for mirrors. 1: High power lasers; 2: VUV applications (L), AO 15: 2006

Silicon-carbide diffraction grating for the vacuum ultraviolet: feasibility (E) (L), AO 16: 2013

Simple selection rules for VUV and XUV diffraction gratings (TE), AO 17: 1087

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Spectroscopic studies of Si V and Si VI between 500 and 1300 Å using the beam-foil method, JOSA 67: 751

Spectrum and energy levels of eleven-times ionized zirconium (Zr XII) (E), JOSA 69: 1659

Spectrum and energy levels of singly ionized aluminum (Al II) (E), JOSA 69: 232

Spectrum and energy levels of six-times ionized yttrium (Y VII) (A), JOSA 67: 1383

Spectrum and energy levels of ten-times ionized yttrium (Y XI) (E), JOSA 69: 1285

Spectrum and energy levels of triply ionized lanthanum (La IV) (TE), JOSA 69: 511

Spectrum of Al VII in the VUV (E), JOSA 65: 197

Total integrated optical scattering in the vacuum ultraviolet: polished CVD SiC (E) (L), AO 16: 1111

Transitions in highly ionized Sn spectra from a laser-produced plasma (ET), JOSA 64: 1058

Transmittance of cultured crystalline quartz in the vacuum ultraviolet before and after electron irradiation (E), AO 17: 2310

Tunable, coherent radiation in the Lyman- $\alpha$  region [1210–1290 Å] using magnesium vapor (E), OL 3: 207

Tunable coherent vacuum ultraviolet radiation (A), JOSA 67: 1368

Tunable harmonic radiation in the Lyman  $\alpha$  region (1200–1300 Å) using magnesium vapor (A), JOSA 68: 677

Tunable VUV photofragment monochromator (E), AO 17: 2821

Vacuum ultraviolet absolute radiometry utilizing total blackbody radiation (E), AO 15: 440

Vacuum-ultraviolet absorption spectra and optical constants of poly(*N*-vinyl carbazole) films (TE), JOSA 64: 952

Vacuum-ultraviolet generation and spectroscopy (A), JOSA 65: 1172

Vacuum ultraviolet high resolution spectroscopy using a BRV continuum source (E), AO 13: 589

Vacuum-ultraviolet laser and interstellar space flight (A), JOSA 64: 531

Vacuum ultraviolet 6-m monochromator (E), AO 17: 420

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Vacuum ultraviolet radiation scales: an accurate comparison between plasma blackbody lines and synchrotron radiation (E), AO 16: 2477

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Vacuum ultraviolet radiometry with hydrogen arcs. 2: The high power arc as an absolute standard of spectral radiance from 124 nm to 360 nm (E), AO 14: 2121

Vacuum ultraviolet radiometry. 3: The argon mini-arc as a new secondary standard of spectral radiance (E), AO 16: 367

Vacuum ultraviolet reflective coating development for the space telescope (A), JOSA 66: 1070

Vacuum ultraviolet scintillators: sodium salicylate and *p*-terphenyl (E), AO 18: 1414

Vacuum UV imaging of a laser-produced plasmas (A), JOSA 68: 547

Vacuum UV performance of silicon detectors (E) (L), AO 16: 14

## United States

American Scientists, Biographical Notes by E. Scott Barr, AO 15: 1696

Bicentennial, by Patricia R. Wakeling, AO 15: 1695

Bicentennial project: Knowledge 2000 (N), AO 15: 1672

Men and milestones in optics. VI: The rise of infrared spectroscopy in the U.S.A. to World War II, AO 15: 1707

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## Units

See Nomenclature

## Upconversion

Limits to the noise equivalent power (NEP) of a cw intracavity upconverter (A), JOSA 69: 1476

Quantum counter use (P), AO 13: 1252

Time-resolved infrared spectral photography (E), OL 4: 103

Two-photon resonant IR up conversion in metal vapors (A), JOSA 68: 1378

Upconversion linearity in proustite for short 10.6- $\mu$ m pulse diagnostics (E), OL 4: 45

Upconversion of broadband infrared spectra (E), AO 17: 1238

## Uranium

Absolute oscillator strengths for neutral atomic uranium (E), JOSA 68: 1173

Characteristics of an opto-galvanic effect in cesium and other gas discharge plasmas (E), JOSA 68: 352

Correlation of isotope shifts with  $\psi(0)^2$  for actinide configurations (T), JOSA 67: 1314

Energy levels of neutral atomic uranium (U I) (E), JOSA 66: 644

Etude par absorption d'un faisceau laser d'une vapeur d' $^{238}\text{U}$  ( $^6L_6$ ) obtenue à l'aide d'une lampe à cathode creuse (E), AO 18: 1084

Furnace spectra of neutral uranium (A), JOSA 65: 1188

Générateur de vapeur d'uranium: la lampe à cathode creuse pulsee (E), AO 18: 2107

High-lying levels in U I from absorption spectra (A), JOSA 66: 1068

High-power 16  $\mu$ m generation by stimulated Raman scattering of iodine laser radiation (A), JOSA 68: 1624

High-precision measurement of the hyperfine structure of the 620-cm<sup>-1</sup> metastable atomic level of  $^{235}\text{U}$  by laser-rf double resonance (E), OL 4: 63

High-precision measurement of  $^{235}\text{U}$  ground-state hyperfine structure of laser-rf double resonance (E), OL 4: 35

Hyperfine structure measurements of high-lying levels of uranium (E), JOSA 69: 230

Infrared-single-photon absorption reaction chemistry in the solid state: SiH<sub>4</sub>-UF<sub>6</sub> (A), JOSA 68: 1643

Isotope shift of  $^{234}\text{U}$ ,  $^{238}\text{U}$ ,  $^{238}\text{U}$  in U I (E) (L), JOSA 66: 1415

Isotope shifts for neutral uranium with a Fourier transform spectrometer (A), JOSA 68: 1447

Laser isotope separation: revolution in chemistry (A), JOSA 66: 390

Laser spectroscopy of U I using stepwise excitation and fluorescence detection (E), JOSA 69: 256

Lifetime, branching ratio, and absolute transition probability of the 6395.42 Å transition of  $^{238}\text{U}$  I (E), JOSA 68: 1084

Measurement of U I relative oscillator strengths (E) (L), JOSA 66: 492

Opto-galvanic spectroscopy in a uranium hollow cathode discharge (E), JOSA 69: 738

Production de vapeur d'uranium par pulvérisation cathodique dans une cathode creuse: efficacités relatives des gaz Ne, Ar, Kr et concentration à l'état  $^5L_6$  (E), AO 17: 2507

Radiative lifetimes, absorption cross sections, and the observation of new high-lying odd levels of  $^{238}\text{U}$  using multistep laser photoionization (E), JOSA 66: 846

Relative isotope shifts in U I (T) (L), JOSA 68: 1007

Sixth spectrum of uranium (U VI) (ET), JOSA 66: 599

Spectral considerations in the laser isotope separation of uranium hexafluoride (A), JOSA 66: 78

## USC, uniform color scales

See Color, Color measurement

## U.S.S.R.

Progress in U.S.S.R. (N), AO 15: A114

Report on U.S.S.R. scientific and technical information system (N), AO 13: 794

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## Vacuum techniques

Multiple pulse technique for producing an absolute vacuum using radiation pressure (A), JOSA 68: 698

## Vanadium

Analysis of 4-ionized vanadium (V v) (E), JOSA 67: 476

Analysis of 4-ionized vanadium (V v) (E) (errata), JOSA 67: 1135

Classification of Be I-like and B I-like iron and vanadium spectra from laser-produced plasmas (TE), JOSA 68: 48

3d<sup>2</sup>-3d4f transitions in V IV (E) (L), JOSA 68: 267

3d<sup>2</sup>-3d4f transitions in V IV (E) (errata), JOSA 68: 1092



Infrared emission spectrum of neutral vanadium (V I) (E), JOSA 68: 235  
 Remeasurement of the photographic emission spectrum of neutral vanadium (V I) (E), JOSA 68: 206  
 Spectrum and energy levels of quadrupole-ionized vanadium (V V) (ET), JOSA 64: 498

## Velocimeters

Application of Fourier images to the measurement of particle velocities (E) (L), AO 13: 234  
 Brewster angle for determining angular velocity and light beam incidence angles (P), AO 13: 2439  
 Laser Doppler velocimetry: experimental study (E), AO 13: 98  
 Single-particle correlated time-of-flight velocimeter for remote wind-speed measurement (E), OL 1: 175

## Velocimetry

Laser moving target indicator (P), AO 13: 214  
 Projection optics for a laser velocimeter (N), AO 18: 4061  
 Time-of-flight laser anemometer for velocity measurements in the atmosphere (ET) (L), AO 17: 1486  
 Two-dimensional velocity distribution measuring system using multiple laser beam line detectors and high order correlation analysis (ET), AO 18: 3522  
 Using arrays (P), AO 18: 3872

## Velocimetry, laser Doppler

Accuracy considerations in laser velocimetry (A), JOSA 66: 1129  
 Aerosol sizing by laser Doppler relaxation-time measurement (A), JOSA 66: 382  
 Airborne laser Doppler velocimeter (E), AO 13: 2390  
 Analytical evaluation of techniques for use of a laser Doppler velocimeter to measure flow and turbulence (T), JOSA 65: 69  
 Application of a two-component LDV to the measurement of flows induced by flames propagating over condensed fuels (E), AO 17: 3843  
 Bidirectional LDV system for absolute measurement of blood speed in retinal vessels (ET), AO 18: 2301  
 Coherent differential Doppler measurements of transverse velocity at a remote point (ET), AO 16: 1145  
 Computer modeling of laser Doppler velocimeters (LDV) systems and the performance of CO<sub>2</sub>-LDV in fogs and comparison with experimental results (A), JOSA 64: 539  
 Confocal LDV utilizing a decoupling beam splitter combiner (E) (L), AO 15: 14  
 Design consideration for a 3-D laser Doppler velocimeter for studying gravity waves in shallow water: comments on (T) (L), AO 13: 315  
 Detection of atmospheric aerosol flow using a transit-time lidar velocimeter (ET), AO 15: 2891  
 Development of a high-speed dual-lag photon processor (A), JOSA 66: 382  
 Diffraction analysis of Doppler signal characteristics for a cross-beam laser Doppler velocimeter (TE), AO 14: 2177  
 Direction sensitive laser Doppler velocimeter with polarized beams (E), AO 13: 286  
 Direction sensitive laser Doppler velocimeter with polarized beams: comment on (E) (L), AO 13: 1290  
 Direction-sensitive simultaneous multivelocity component LDV (E) (L), AO 17: 2855  
 Doppler velocimeter using diffraction grating and white light (T), AO 13: 1193  
 Dual-wavelength scanning Doppler velocimeter (P), AO 15: 1345  
 Effect of wall scattering on SNR in laser Doppler anemometry (T), AO 18: 2480  
 Effects of atmospheric turbulence on the laser cross-beam velocimeter (T), JOSA 64: 1005  
 Expected lidar return from tornado clouds (T) (L), AO 15: 2958  
 Flow tracing fidelity of scattering aerosol in laser Doppler velocimetry (ET), AO 14: 894  
 Human retinal blood flow and laser velocimetry (A), JOSA 65: 1171  
 Influence of Gaussian beam properties on laser Doppler signals (ET), AO 18: 516  
 Infrared laser Doppler radar systems for the remote detection of atmospheric turbulence (A), JOSA 64: 539  
 Laser-anemointerferometer for simultaneous measurements of velocity and density (E) (L), AO 17: 3536  
 Laser anemometer for large high velocity particles (E) (L), AO 14: 18  
 Laser anemometer signals: visibility characteristics and application to particle sizing (TE), AO 16: 677  
 Laser anemometer signals: visibility characteristics and application to particle sizing (errata), AO 16: 2358  
 Laser Doppler anemometry measurements in an engine (E), AO 18: 1539  
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 Laser Doppler measurements of blood velocity in human retinal vessels (TE), JOSA 68: 526  
 Laser Doppler particle measuring system using forced vibration synchronized detection and power spectral analysis (ET), AO 17: 230  
 Laser Doppler particle measuring system using nonsinusoidal forced vibration and bispectral analysis (ET), AO 17: 667  
 Laser Doppler technique for measurement of eye movement (E), AO 18: 2486  
 Laser Doppler velocimeter as an optoelectronic data processing system (ET), AO 14: 180  
 Laser-Doppler velocimeter measurements in nonuniform flow: error estimates (T), AO 13: 1872  
 Laser Doppler velocimeter with a differential photodiode array (TE), AO 18: 1533  
 Laser Doppler velocimetry: experimental study (E), AO 13: 98  
 Laser Doppler velocimetry using a superheterodyne spectrum analyzer (TE), AO 14: 902  
 Laser moving target indicator (P), AO 13: 214  
 Laser technique for simultaneous particle-size and -velocity measurements (T), OL 3: 19  
 Laser velocimeter employing reference beam detection (P), AO 13: 455  
 Laser velocimetry—current technology and applications (A), JOSA 66: 382  
 Light scattering by particles in laser Doppler velocimeters using Mie theory (T) (L), AO 15: 2951  
 Light scattering particles for laser velocimeter measurements (E) (L), AO 15: 321  
 Measuring the velocity of individual atoms in real time (T), OL 2: 30  
 Measuring the velocity of single atoms in real time (A), JOSA 68: 657  
 New 3-D laser Doppler velocimeter using cross-bispectral analysis (ET), AO 17: 3890  
 Novel instantaneous laser Doppler velocimeter (E), AO 13: 280  
 Observation of large particles with a laser interferometer (ET), AO 13: 610  
 Optical studies of turbulence in an internal combustion engine (A), JOSA 68: 656  
 Optimization of LDV geometry (T), AO 18: 1097  
 Particle sizing using laser interferometry (TE), AO 16: 1861  
 Photon Correlation Spectroscopy and Velocimetry. Edited by H. Z. Cummins and E. R. Pike (B), Reviewed by Chabay, Ilan, AO 17: 1156  
 Photon counting processor for laser velocimetry (TE), AO 16: 1157  
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 Pseudo-backscatter laser Doppler velocimeter with antiparallel-reflector in the forward direction (P), AO 17: 1985  
 Real time display of velocity distribution on a surface by using ultrasonic laser light frequency shifter and TV system (E) (L), AO 13: 2759  
 Real-time grey level display of velocity distributions on a surface (ET) (L), AO 15: 867  
 Remote Doppler velocity measurements of atmospheric dust devil vortices (E) (L), AO 15: 1

Remote intensity fluctuation measurements with a laser Doppler radar (L), AO 15: 2008  
 Remote measurement of the transverse wind velocity component using a laser Doppler velocimeter (ET), AO 18: 3010  
 Remote measurement of wind speed using a dual beam backscatter laser Doppler velocimeter (ET), AO 15: 1980  
 Removal of pedestals and directional ambiguity of optical anemometer signals, AO 13: 2562  
 Sample space for particle size and velocity measuring interferometers (T), AO 15: 1984  
 Scattering from a moving spherical particle by two crossed coherent plane waves (T), AO 16: 619  
 Scattering from a spherical particle by two crossed coherent beams (A), JOSA 64: 1398  
 Signal-to-noise ratio in optical velocimeters: effect of particle number density (ET), AO 14: 1839  
 Signal-to-noise ratio in optical velocimeters: effect of detection angle (E), AO 16: 674  
 Simulation of photon correlation of LDV signals (A), JOSA 66: 1076  
 Single-particle correlation techniques for remote measurement of wind speed: aerosol condition and measurement rate (TE), JOSA 69: 455  
 Small particle signal characteristics of a dual-scatter laser velocimeter (T), AO 13: 2346  
 Spectral analysis and cross-correlation techniques for photon counting measurements on fluid flows (TE), AO 14: 778  
 Three dimensional laser Doppler velocimeter (P), AO 18: 3804  
 Tracking bacterial movements using a one-dimensional fringe system (E), OL 2: 109  
 Two-dimensional Bragg cell LDV system using multiple light frequencies (E) (L), AO 17: 166  
 Velocity biased laser velocimeter (P), AO 15: 9  
 Velocity measurements of blood flow in the capillary and vein using a laser Doppler microscope (E) (L), AO 14: 2326  
 Visual modeling of laser Doppler anemometer signals by moire fringes (T), AO 15: 137

## Venus

Atmosphere of Venus. Edited by James E. Hansen (B), Reviewed by Howard, John N., AO 15: A160  
 Carbon dioxide absorption bands in the atmosphere of Venus (A), JOSA 64: 1391

## Vibration analysis

See also Holography  
 Analysis of 3-D vibrations from time-averaged holograms (TE), AO 17: 3713  
 Computer-aided holographic vibration analysis for vectorial displacements of bladed disks (A), JOSA 67: 1433  
 Contour generation of vibrating object, by weighted subtraction of holograms (TE) (L), AO 13: 1280  
 Detection and measurement of small vibrations using electronic speckle pattern interferometry (E), AO 16: 1869  
 Electronic damping of vibrations in optical structures (E), AO 18: 690  
 General theory of time-averaged holography for the study of three-dimensional vibrations at a single frequency (TE), JOSA 68: 924  
 Increasing effective size of holography tables (E) (L), AO 18: 418  
 Influence of longitudinal vibrations on the diffraction images of bright incoherent disks (T), AO 14: 500  
 Interferometric recording of the deflections of towers and telescopes (E), AO 14: 885  
 Mechanical vibrations: mapping their phase with hologram interferometry (ET), AO 15: 195  
 Mechanical vibrations: mapping their phase with hologram interferometry (T) (L), AO 16: 1140  
 Michelson interferometer for detection of fast displacements of less than a quarter-wave over small areas (E), AO 14: 1616  
 Optical method for measuring contour slopes of an object (ET), AO 17: 128  
 Pulsed sandwich holography. 2: Practical application (ET), AO 17: 187  
 Quadruple-exposure technique in stroboscopic holographic interferometry (E) (L), AO 13: 2108



- Real time measurement of very small transverse displacements of diffuse objects by random moire. 2: Experiments (E), AO 15: 1248
- Remote vibration measurement of rough surfaces by laser interferometry (ET), AO 14: 1621
- Signal-to-noise ratio and smallest detectable vibration amplitude in frequency-translated holography: an analysis (E), AO 15: 2690
- Spectrum analyzer (N), AO 13: 157
- Three-dimensional real-time measurements of ultrasonic waves in transparent solids (E), AO 17: 2686
- Time-averaged shadow-moire method for studying vibrations (ET), AO 16: 1717
- Time-average reflection-moire method for vibration analysis of plates (TE), AO 18: 1424
- Vibration measurement on the human ear drum *in vivo* (E), AO 18: 763
- Vibration phase mapping using electronic speckle pattern interferometry (E), AO 15: 2701

## Vidicons

- Cadmium selenide and aluminum oxide (P), AO 15: 2947
- Characterization of pyroelectric vidicons for use with pulsed CO<sub>2</sub> lasers (A), JOSA 67: 1445
- Digitizer (N), AO 13: 1888
- Effects of vidicon lag on optical multichannel analyzer measurements (A), JOSA 67: 1445
- Image pickup device (P), AO 13: 2735
- Inflight performance of the Viking visual imaging subsystem (E), AO 16: 3158
- Infrared vidicon (P), AO 15: 1360
- Infrared vidicon technique for measuring thermal lensing from laser windows (E) (L), AO 13: 726
- Measurements at 10.6  $\mu$ m with pyroelectric vidicons (A), JOSA 67: 1445
- Performance of a silicon vidicon at low signal levels (E), AO 15: 3105
- Polycrystalline selenium imaging devices (P), AO 18: 3892
- Pyroelectric vidicon: a new multichannel spectrometric infrared (1.0–30- $\mu$ m) detector (ET), AO 17: 2489
- Pyroelectric vidicons for measurements on CO<sub>2</sub> laser systems (A), JOSA 68: 543
- Silicon diode array vidicons at the telescope: observational experience, AO 14: 1437
- Silicon vidicon spectrometry and its infrared capabilities for solar research (E), AO 15: 2884
- Silicon vidicon system for measuring laser intensity profiles (E), AO 17: 3938
- SIT vidicon with magnetic intensifier for astronomical use (E), AO 14: 1429
- Slow scan SEC vidicon system (E), AO 16: 237
- Slow-scan television system (E), AO 15: 2264
- Thermal imaging with pyroelectric vidicons (A), JOSA 66: 389

## Visibility

- Aerosol propagation under limited visibility conditions: theory (A), JOSA 68: 541
- Analog visibility computer (E), AO 15: 999
- Atmospheric visibility measurement by a modulated cw lidar (T), AO 15: 1823
- Atmospheric visibility measurement by a modulated cw lidar: comments (T) (L), AO 16: 1128
- Atmospheric visibility measurement by a modulated cw lidar: reply to comments (T) (L), AO 16: 1128
- Atmospheric water vapor at South Pole (E) (L), AO 16: 2041
- Carbon aerosol visibility vs particle size distribution (T), AO 17: 2612
- Continuous wave lidar measurement of atmospheric visibility (ET), AO 17: 265
- Design principles of a slant transmissometer for airport use (A), JOSA 67: 259
- Effects of aerosol particles on visibility, atmospheric pollution, radiation budget, and climate (A), JOSA 67: 260
- Laser Applications to Atmospheric Sciences: a Bibliography: NASA CR 2536. By Franklin S. Harris, Jr. (B), Reviewed by Silverman, Shirleigh, AO 15: 847
- Telescopic "seeing" measurements during the day and night (A), JOSA 67: 1377
- Use of prevailing visibility data for aerosol studies (A), JOSA 67: 257
- Visibility and liquid-water content of fogs (A), JOSA 68: 540
- Visibility dependence on scaling laws relating aerosol extinctions at different optical wavelengths (A), JOSA 68: 540
- Visibility of the solar *H* and *K* lines in the glitter from snow (A), JOSA 66: 1088
- Worldwide data on reduced visibility due to airborne dust (E) (L), JOSA 67: 1689

## Vision

- See also the divisions following
- Accommodative response to blur (E), JOSA 64: 1512
- Accommodative optical model of the human eye with gradient index lens (A), JOSA 69: 1441
- Accurate three-dimensional eyetracker (ET), AO 17: 691
- Acuity testing with variable contrast (P), AO 18: 3271
- Additivity of saccadic motions with other ocular motions (A), JOSA 67: 1414
- Analytical description of spatial filtering by the retina-brain system (A), JOSA 64: 1400
- Apparatus measuring size of eye (P), AO 17: 327
- Applications of resonance Raman scattering to the study of structure and interactions of biological chromophores (A), JOSA 65: 1162
- Apportionment of disparity cues among the fusional and stereoptic mechanisms (A), JOSA 64: 1403
- Architecture of primary visual cortex in monkey (A), JOSA 65: 1216
- Automated field testing (P), AO 17: 1476
- Automated refraction (P), AO 15: 1672
- Automated refraction (P), AO 16: 1757
- Automatic instrument for objectively determining the refractive state of the eye (A), JOSA 64: 1372
- Automatic refraction (P), AO 18: 4005
- Axial chromatic aberration of eye with achromatizing lens (E) (L), JOSA 64: 1724
- Bandpass channels, zero-crossings, and early visual information processing (T) (L), JOSA 69: 914
- Bidirectional LDV system for absolute measurement of blood speed in retinal vessels (ET), AO 18: 2301
- Binocular ophthalmoscopy (P), AO 17: 1476
- Blackbody temperature for threshold visibility (ET) (L), AO 13: 221
- Bloch's law and the spatial Broca-Sulzer effect (A), JOSA 64: 1399
- Can blindness illuminate sight? (A), JOSA 65: 1217
- Caustic and energy-flux density for a model of the human eye (A), JOSA 64: 1357
- Centered contact lens (P), AO 18: 3714
- Characteristics of Persons with Corrective Lenses, United States, 1971 (B), JOSA 65: 470
- Chromatic-adaptation study by subjective-estimation method (ET), JOSA 64: 743
- Coaxial ophthalmoscope (P), AO 18: 260
- Color discrimination as a function of observer adaptation (E), JOSA 64: 750
- Color discrimination for the color blind (A), JOSA 64: 1386
- Color essays (R), JOSA 65: 483
- Color induction: dependence on luminance, purity, and dominant or complementary wavelength of inducing stimuli (E), JOSA 64: 1531
- Color vision and optokinetic nystagmus (A), JOSA 64: 1387
- Color Vision Deficiencies in Youths 12–17 Years of Age, United States (B), JOSA 64: 894
- Color-vision deficiencies symposium, Amsterdam, 25–27 Jun 1975 (N), JOSA 64: 1026
- Color vision in the peripheral retina. I. Spectral sensitivity (E), JOSA 67: 195
- Color vision in the peripheral retina. II. Hue and saturation (E), JOSA 67: 202
- Colour 73 (B), Reviewed by Kaiser, Peter K., JOSA 64: 1349
- Coma of the eye (A), JOSA 64: 1372
- Combined system of optical devices for photography and stereoscopic vision (P), AO 15: 2945
- Comparison of spectral sensitivity functions of the owl monkey at two stimulus sizes (A), JOSA 64: 1386
- Compatible color 3-D TV system: a proposed design (T) (L), AO 18: 584
- Compensation for hemianopsia (P), AO 18: 3271
- Contact lenses surface-treated (P), AO 18: 2236
- Contact lens fitting procedure (P), AO 13: 2960
- Contact lens having a hard center and soft, tough periphery (P), AO 15: 2946
- Contact Lens Practice, Hard and Flexible Lenses, Second Edition. By Robert B. Mandell (B), Reviewed by Sullivan, Charles T., JOSA 65: 859
- Contact lens testing (P), AO 15: 1348
- Contact ophthalmoscope (P), AO 18: 260
- Contribution of unbound modes to light absorption in visual photoreceptors (TE), JOSA 64: 1711
- Convexity theorem for subthreshold stimuli in linear models of visual contrast detection (T), JOSA 68: 456
- Corneal topography using moire contour fringes (E), AO 18: 3675
- Cross talk in absorbing optical fibers (T), JOSA 65: 810
- Current concepts in ergophthalmology book (N), AO 18: 2802
- Current vision models and their effects on enhancement (A), JOSA 66: 173
- Depth perception produced by stereoptic apparent movement (A), JOSA 64: 1385
- Detectability of a luminance increment (TE), JOSA 64: 1321
- Detectability of a luminance increment: effect of spatial uncertainty (E), JOSA 64: 1715
- Detection threshold for lights of varying purity (TE) (L), JOSA 69: 632
- Detection thresholds within a display that manifests contour enhancement and brightness contrast (E), JOSA 64: 726
- Development of a holocamera for 3-D microscopy of the unanesthetized human eye (A), JOSA 68: 1382
- Dichroic microspectrophotometer: a computer-assisted, rapid, wavelength-scanning photometer for measuring linear dichroism in single cells (E), JOSA 64: 903
- Direct estimation of lightness of surface colors (E), JOSA 64: 206
- Duration thresholds for chromatic stimuli (TE), JOSA 69: 103
- Dynamic optometer (E), JOSA 64: 235
- Eccentric fixation with secondary visual feedback (E), JOSA 69: 669
- Effect of bending on the power and longitudinal axial aberration of soft contact lenses (A), JOSA 67: 1395
- Effect of blur and overlap on brightness matching (ET), JOSA 64: 717
- Effect of directional-flow patterns upon motion thresholds (E) (L), JOSA 64: 1148
- Effect of leaky modes on the response of short optical fibers (T) (L), JOSA 67: 1284
- Effect of luminance and contrast on processing large disparities (E), JOSA 64: 1703
- Effect of surround on perceived saturation (E), JOSA 64: 1328
- Effect of wide-field stimulation on cyclofusional eye movements (A), JOSA 67: 1415
- Effects of reduced lighting levels upon visual performance (A), JOSA 64: 1374
- Effects of steady inducer and test duration on threshold (E), JOSA 64: 1145
- Effects of the cone-cell distribution on pattern-detection experiments (T), JOSA 64: 1523
- Effects on rhesus-monkey spectral sensitivity and visual receptor morphology of prolonged, repeated, intense spectral-light exposure (A), JOSA 64: 1397
- Electroretinogram and visually evoked potential associated with paced saccadic displacement of the stimulus (E), JOSA 64: 1256
- "Equator-plus" ophthalmoscope and fundus camera (A), JOSA 65: 1210
- Evidence for neural suppression of vision during an eye blink (A), JOSA 69: 373
- Eye examining instrument involving infrared radiation (P), AO 14: 2039
- Eye movement detector (P), AO 18: A206
- Eye Movements and Psychological Processes. Edited by Richard A. Monty and John W. Senders (B), Reviewed by Boynton, Robert M., JOSA 68: 1456
- Eye-movements and Visual Perception. By R. W. Ditchburn (B), Reviewed by Tulunay-Keesey, Uelker, JOSA 65: 745
- Eyesight refraction: a new look (A), JOSA 64: 1373
- Eye test apparatus (P), AO 15: 832
- Filter model for lightness and brightness on different backgrounds (T), JOSA 65: 1101
- Formal Theories of Visual Perception. Edited by E. L. J. Leeuwenberg and H. F. J. Buffart (B), Reviewed by Hinton, Geoffrey, JOSA 69: 1492



- Fresnel type contact lens (P), AO 18: 3872  
 Frontiers in Visual Science. Edited by S. J. Cool and E. L. Smith III (B). Reviewed by Rothstein, Jerome, AO 18: 3080  
 Frontiers in Visual Science. Edited by S. J. Cool and E. L. Smith, III (B). Reviewed by MacLeod, Donald I. A., JOSA 69: 921  
 Functional and pathologic studies of photic injury to the monkey and human macula (A), JOSA 64: 1397  
 Functional properties of neurons in the visual cortex of the awake, behaving monkey (A), JOSA 66: 1086  
 Function of the monkey superior colliculus and its sensory inputs (A), JOSA 66: 1086  
 Fundamental research on vision (A), JOSA 64: 1374  
 Fundus camera (P), AO 15: 1671  
 Fundus camera (P), AO 18: A214  
 Fundus camera (P), AO 18: A214  
 Fundus camera with aspheric surface (P), AO 15: 1347  
 Fundus camera with movable targets (P), AO 18: 260  
 Fundus TV camera (P), AO 15: 1347  
 Gonic lens (P), AO 18: A214  
 Handbook of Optics. Edited by Walter G. Driscoll and William Vaughan (B). Reviewed by Wright, W. D. AO 18: 416  
 Handbook of Sensory Physiology VII/2. Physiology of Photoreceptor Organs. Edited by M. G. F. Foutres (B). Reviewed by Boynton, Robert M., JOSA 64: 252  
 Handbook of Sensory Physiology VII/3. Central Visual Information. A. Integrative Functions and Comparative Data; B. Visual Centers in the Brain. Edited by Richard Jung (B). Reviewed by Brown, John Lott, JOSA 64: 1023  
 Hand-held fundus camera (P), AO 16: 3246  
 Heterochromatic luminance additivity in pigeons (A), JOSA 64: 1387  
 Hierarchical detection structures in vision (T) (L), JOSA 69: 794  
 Human Lens in Relation to Cataract (B). Reviewed by Sullivan, Charles T., JOSA 64: 1150  
 Hydrophilic contact lens (P), AO 17: 1475  
 Illuminating system for contact lens ophthalmometer (P), AO 15: 1358  
 Illuminating system for contact lens ophthalmometer (P), AO 15: 1359  
 Image coloration as an interpretation aid (A), JOSA 66: 174  
 Image restoration utilizing the spatial masking of the visual system (A), JOSA 67: 1406  
 Increment thresholds across minimally distinct borders (E), JOSA 64: 760  
 Increment thresholds, luminance, and brightness (E) (L), JOSA 67: 1354  
 Influence of luminance contrast on hue discrimination (E), JOSA 64: 763  
 Information processing and holography technical group discussion on image processing for the human observer: monochrome, color, and stereo (A), JOSA 66: 1139  
 Initial distinctness and subsequent fading of minimally distinct borders (E) (L), JOSA 67: 1126  
 Insensitivity of vernier acuity to small target velocities (A), JOSA 64: 1384  
 Instrumentation for the Farnsworth-Munsell 100-hue test (L), JOSA 67: 248  
 Instrument myopia (E), JOSA 65: 1114  
 Interpupillary distance measurement (P), AO 18: 2236  
 Intraocular Light Scattering: Theory and Clinical Application. By David Miller and George Benedek (B). Reviewed by Westheimer, Gerald, JOSA 64: 256  
 Introduction to Perception. By Irvin Rock (B). Reviewed by Harvey, Lewis O., Jr., JOSA 68: 710  
 Is Fourier analysis performed by the visual system or by the visual investigator (T), JOSA 69: 95  
 Judd Memorial Collection at The Ohio State University (N), JOSA 65: 362  
 Keratometer (P), AO 16: 1757  
 Kinetic model for the barnacle visual pigment (A), JOSA 64: 1403  
 Large-field color naming of dichromats with rods bleached (E), JOSA 69: 1259  
 Large up-down anisotropy and left-right isotropy between cortical hemifields under cyclopean stimulation (A), JOSA 64: 1403  
 Laser Doppler technique for measurement of eye movement (E), AO 18: 2486  
 Laser profiling of the edges of intraocular lenses (A), JOSA 69: 1427  
 Laser protective eyewear (R), AO 13: 725  
 Laser refraction (P), AO 13: 2735  
 Lasers in ophthalmology: the path from theory to application (TR), AO 18: 1518  
 Latency of peripheral saccades (E), JOSA 69: 1274  
 Least purity difference perceptible near spectrum locus as a function of wavelength (A), JOSA 64: 1386  
 Lens for target image displacement in a lens measuring instrument (P), AO 14: 1456  
 Lens material for reducing effective color vision (P), AO 13: 12A26  
 Lensometer (P), AO 16: 1758  
 Lens testing (P), AO 16: 1757  
 Light absorption in visual photoreceptors (T), JOSA 64: 216  
 Light as a true visual quantity: principles of measurement (N), AO 18: 445  
 Lighting and visual performance: a review (A), JOSA 64: 1374  
 Light propagation in twisted anisotropic media: application to photoreceptors (T), JOSA 68: 149  
 Limitations of human texture perceptions (A), JOSA 66: 173  
 Low Vision. A Symposium Marking the Twentieth Anniversary of The Lighthouse Low Vision Service. Edited by Eleanor E. Faye and Clare M. Hood (B). Reviewed by Nowakowski, Rod W., JOSA 66: 979  
 Low Vision. Edited by Eleanor E. Faye and Clare M. Hood (B). Reviewed by Bailey, Ian L., AO 15: 2294  
 Luminance-brightness comparisons of LED alpha-numeric sources at suprathreshold levels (E), JOSA 68: 949  
 Luminance thresholds for perceived movement in a flickering field (E), JOSA 64: 1133  
 Luminous-efficiency functions determined by heterochromatic brightness matching (E) (L), JOSA 65: 466  
 Macular pigment and chromatic aberration (T), JOSA 64: 231  
 Manually held indirect ophthalmoscope especially adapted for viewing the periphery of the fundus oculi (P), AO 15: 833  
 Mathematical implication of spatial transfer function of non-uniform target on visual detection (A), JOSA 64: 1400  
 Measurement of Appearance. By Richard S. Hunter (B). Reviewed by Marcus, Robert T., JOSA 66: 1441  
 Measurement of metacontrast (E) (L), JOSA 65: 1379  
 Measurement of the longitudinal spherical aberration of soft contact lenses (A), JOSA 68: 1375  
 Measurements of edge-induced visual contrast and a spatial-frequency interaction of the Cornsweet illusion (E), JOSA 67: 761  
 Measuring range of vision (P), AO 13: 2959  
 Measuring the critical flicker fusion frequency (P), AO 14: A104  
 Measuring the radius of curvature of soft corneal lenses (E) (L), AO 16: 778  
 Measuring the refractive error of an eye (P), AO 16: 11  
 Membrane dynamics in vertebrate photoreceptors (A), JOSA 64: 1378  
 Mesopic photometry with nonmonochromatic lights (A), JOSA 64: 1386  
 Metabolic Ophthalmology: International Journal of Basic Research and Clinical Applications, Volume 1, No. 1. Editor: Heskel M. Haddad (B). Reviewed by Siegel, Edward P., AO 16: 1772  
 Method of determining the state of refraction of a human eye (P), AO 13: 2959  
 Method of stabilizing the retinal image (T), AO 13: 955  
 Model for chromatic adaptation (A), JOSA 64: 1386  
 Modern Problems in Ophthalmology, Volume 17. Edited by E. B. Streiff (B). Reviewed by Boynton, Robert M., JOSA 69: 371  
 Movement-selective mechanisms in human vision sensitive to high spatial frequencies (TE) (L), JOSA 68: 1002  
 Multichannel probabilistic theory of spatial organization at detection threshold (A), JOSA 64: 1400  
 Multiparameter vision testing apparatus (P), AO 15: 833  
 Night goggles hold the promise of giving sight to many who are blind today (N), AO 14: 786  
 Night viewing pocket scope (P), AO 15: 8  
 Night vision device (P), AO 14: 2038  
 Noise on nonimage areas in electrophotography (TE), AO 13: 1053  
 No oblique effect in chromatic pathways (E), JOSA 65: 1512  
 Normal modes of an infinite hexagonal array of identical circular dielectric rods (T), JOSA 64: 1136  
 Ocular hazard from UV laser exhibiting self-mode-locking (E) (L), AO 17: 1482  
 Ocular optics and evolution (L), JOSA 66: 1053  
 Ocular tissue damage due to ultrashort 1060-nm light pulses from a mode-locked Nd:glass laser (E) (L), AO 14: 1759  
 Oculometer (P), AO 14: 2038  
 Oddity recognition as a test for hue-difference perception (A), JOSA 64: 1385  
 On Writing, Reading, and Dyslexia. By Arthur Linksz (B). Reviewed by MacAdam, David L., JOSA 64: 420  
 Ophthalmic hazards associated with laser endoscopy (E), AO 18: 1816  
 Ophthalmic lenses with progressively varying focal length (P), AO 13: 2959  
 Ophthalmological apparatus with a slit illumination for taking photographic views of the eye (P), AO 13: 977  
 Ophthalmological Optics international symposium, Tokyo, 7-9 May 1978, AO 17: 441  
 Ophthalmometer having alternative viewing and measuring systems and including an improved illumination system (P), AO 13: 2960  
 Opponent responses and waveguide nodes in retinal cones (A), JOSA 64: 1386  
 Optical correlation system for industrial robot vision (A), JOSA 69: 373  
 Optical plastic lenses and the Navy's ophthalmic program (N), AO 16: 2022  
 Optical system for objective refractor for the eye (P), AO 15: 833  
 Optimal magnification for visual microscopy (E) (L), JOSA 64: 102  
 Optimum photon detection with a simple counting processor (T), OL 1: 208  
 Perceived noise as the function of image size (A), JOSA 64: 1373  
 Perceived spatial frequency varies with stimulus duration (E), JOSA 64: 1251  
 Perceiving coherence and a theory of vision (A), JOSA 67: 1407  
 Perception of gradients of retinal disparity (A), JOSA 64: 554  
 Perception of rapidly-flickering gratings: induced orthogonal motion (A), JOSA 64: 1385  
 Perceptual correlates of a two-dimensional spatial-frequency model of the human visual system (A), JOSA 64: 257  
 Perceptual latency as a function of stimulus duration and luminance in the fovea (A), JOSA 64: 1403  
 Perceptual Modification, Adapting to Altered Sensory Environments. By Robert B. Welch (B). Reviewed by Haber, Ralph Norman, JOSA 69: 205  
 Peripheral astigmatism in the human eye: experimental data and theoretical model predictions (ET), JOSA 64: 510  
 Phase effects in flicker photometry (A), JOSA 64: 1385  
 Phase-versus-time analysis of the safety-state evoked potential latency (T) (L), JOSA 67: 841  
 Photocounting distributions with variable dead time (T) (L), AO 14: 2819  
 Photorefractive: a technique for study of refractive state at a distance (ET), JOSA 64: 240  
 Photo-refractometer and methods for ophthalmic testing of young children (P), AO 15: 833  
 Picosecond light scattering measurements of cataract microstructure (E), AO 17: 3177  
 Plastic spectacles (P), AO 18: A214  
 Power transfer between nonparallel and tapered optical fibers (T), JOSA 64: 285  
 Power transfer between nonparallel and tapered optical fibers (errata), JOSA 65: 351  
 Prediction of nighttime driving visibility from laboratory data (T), AO 13: 2723  
 Problems with heterochromatic photometry (A), JOSA 64: 1374  
 Producing precisely fitted contact lenses (P), AO 13: 977  
 Progressive addition contact lens (P), AO 17: 1476



- Progressive addition lens (P), AO 13: 2177  
 Progressive addition lens (P), AO 15: 2947  
 Progressive addition lens (P), AO 18: 259  
 Progressive addition multifocus lens (P), AO 15: 585  
 Pupil size indicator (P), AO 16: 3246  
 Puzzles and problems in ophthalmology to tease the physicist's fancy (A), JOSA 64: 1368  
 Puzzles and problems in ophthalmology to tease the physicist's fancy (A), JOSA 64: 1368  
 Puzzles and problems in ophthalmology to tease the physicist's fancy (A), JOSA 64: 1368  
 Puzzles and problems in ophthalmology to tease the physicist's fancy (A), JOSA 64: 1368  
 Quantum efficiency of the eye determined by comparison with a TV camera (E), JOSA 64: 1706  
 Rapid scanning microspectrophotometer and its use in measuring rhodopsin photoproduct pathways and kinetics in frog retinas (E), JOSA 68: 937  
 Recognition of traffic signals viewed through colored filters (ET), JOSA 65: 1106  
 Refraction of the periphery of the eye (E) (L), JOSA 64: 110  
 Refraction Status of Youths 12-17 Years, United States (B), JOSA 65: 859  
 Refractoriness in the maintained discharge of the cat's retinal ganglion cell (TE), JOSA 68: 386  
 Relations between the amplitudes of spontaneous saccades and visual responses (E), JOSA 64: 1263  
 Relative effectiveness of positional and orientational disparity cues in fusion (A), JOSA 64: 555  
 Representing visual information (A), JOSA 67: 1400  
 Retinal tissue damage induced by single ultrashort 1060 nm laser light pulse (ET) (L), AO 17: 2871  
 Role of the superior colliculus in the control of visually elicited saccadic eye movements (A), JOSA 66: 1086  
 Saccadic branch of the oculomotor apparatus: A dead-time system with predictive control (A), JOSA 67: 1414  
 Sampling in imaging systems, JOSA 65: 700  
 Scatter reducing contact lens (P), AO 16: 3246  
 Self-examination of certain conditions of the eye (P), AO 13: 2959  
 Sensation and Perception: An Integrated Approach. By Harvey Richard Schiffman (B). Reviewed by Harvey, Lewis O., Jr., JOSA 67: 414  
 Sextant with digital readout and night viewing capability (P), AO 14: 1457  
 Signal-light nomogram (TE), JOSA 65: 111  
 Silicone rubber applied within the eye: a preliminary study (TE), AO 18: 1305  
 Simultaneous refraction testing (P), AO 13: 977  
 Single anomalous photopigment? (E) (L), JOSA 66: 276  
 Sinusoidal flicker characteristics of primate cones in response to heterochromatic stimuli (ET), JOSA 65: 1091  
 Size measuring device (P), AO 18: 260  
 Smoothly pursuing moving cyclopean gratings (A), JOSA 67: 1415  
 Society for Information Display, international symposium, Beverly Hills, 4-6 May 1976 (M), Reported by Channin, D. J., AO 15: 2290  
 Soft contact lenses (P), AO 18: 3669  
 Soft contact lenses for 24 hr a day wear (N), AO 14: 2719  
 Spatial-frequency-channel bandwidth estimates: probability summation effects (A), JOSA 64: 1400  
 Spatio-temporal frequency characteristics of color-vision mechanisms (E), JOSA 64: 983  
 Spectacle Lens Technology. By D. F. Horne (B). Reviewed by Smith, F. Dow, JOSA 69: 800  
 Spectrally sensitive damage in pigeon correlated with cone morphology (A), JOSA 64: 1397  
 Spectral response of the human eye (T), JOSA 68: 935  
 Spectral shaping and waveguide modes in human retinal cones (A), JOSA 64: 554  
 Spectroscopic and fluorescence methods used for the study of eye disorders (A), JOSA 65: 1162  
 Stimulus alternation and the Purkinje shift (A), JOSA 65: 1205  
 Störungen der tiefenräumlichen Wahrnehmung und Wiedergabe (Distortions of 3-D Perception and Representation). By G. Rennert (B). Reviewed by Meyer-Arendt, Jürgen R., AO 17: 1158  
 Studies on Excitation and Inhibition in the Retina. Edited by Floyd Ratliff (B). Reviewed by Lovell, D. J., AO 14: 1040  
 Studies on Excitation and Inhibition in the Retina. Edited by Floyd Ratliff (B). Reviewed by Boynton, Robert M., JOSA 65: 616  
 Subjective method for the determination of aberrations of the eye (A), JOSA 64: 554  
 Synchronous stabilization of visual perception by voice vibration (E) (L), JOSA 64: 890  
 System for protection from laser radiation (P), AO 15: 10  
 Technique to establish that rods contribute to steady-state detection threshold measured with a green test probe (A), JOSA 64: 1387  
 Temporal reciprocity within the long-wavelength cones of the frog, *Rana pipiens* (A), JOSA 65: 1205  
 Temporal response of three types of primate cones (A), JOSA 64: 1385  
 Test of color-defective vision using the visual evoked response (E), JOSA 64: 1244  
 Theories of Vision from Al-Kindi to Kepler. By David C. Lindberg (B). Reviewed by Riggs, Lorrin A., AO 16: 268  
 Theories of Vision from Al-Kindi to Kepler. By David C. Lindberg (B). Reviewed by MacAdam, David L., JOSA 66: 1442  
 Theory of spatial-frequency filtering by the human visual system. I. Performance limited by quantum noise (T), JOSA 66: 608  
 Theory of spatial-frequency filtering by the human visual system. II. Performance limited by video noise (T), JOSA 66: 617  
 Three-dimensional visual stimulus deflector (ET), AO 17: 706  
 Three generations of Koopman's lobe equation (A), JOSA 67: 1426  
 Three pigments in normal and anomalous color vision (TE), JOSA 64: 92  
 Threshold spectral sensitivity of single neurons and performing monkeys (A), JOSA 66: 1087  
 Tilting a field in an optical system (P), AO 16: 13  
 Time resolution at extremely low scotopic luminances (E) (L), JOSA 64: 887  
 Transient sensitization in proximal retina of *Necturus* (A), JOSA 64: 1403  
 Transparency of pair-correlated, random distributions of small scatterers, with applications to the cornea (T), JOSA 65: 524  
 Tunnel vision aid (P), AO 18: 3255  
 Twin-prism separator for retinal stereophotography (E) (L), AO 15: 29  
 Two-band model of heterochromatic flicker (E), JOSA 67: 1081  
 Two-dimensional analysis of retinal information transfer (T), JOSA 65: 842  
 Two-point fluorophotometer for the human ocular fundus (E), AO 14: 2691  
 Ultraviolet windows in commercial sunglasses (E), AO 16: 515  
 Uniform color scales (ET), JOSA 64: 1691  
 Unit of orientation for peripheral ophthalmometry (P), AO 15: 1358  
 Upper-velocity threshold for detection of movement (ET), OL 4: 309  
 Variable absorbance spectacles (P), AO 18: A114  
 Variables in the estimation of dot frequency (A), JOSA 64: 1400  
 Varieties of human saccadic eye movement (A), JOSA 67: 1414  
 Velocity sensitivity and discriminability in central and peripheral vision (A), JOSA 64: 1384  
 Visibility of unpredictably flickering lights (E), JOSA 64: 1517  
 Vision and Acquisition. By Ian Overington (B). Reviewed by Smith, F. Dow, AO 16: 788  
 Vision and Acquisition, Fundamentals of Human Visual Performance, Environmental Influences and Applications in Instrumental Optics. Edited by Ian Overington (B). Reviewed by Sinclair, Douglas C., JOSA 67: 129  
 Vision: Human and Electronic. By Albert Rose (B). Reviewed by Nimeroff, Isadore, AO 14: 2306  
 Vision: Human and Electronic. By Albert Rose (B). Reviewed by Roetling, Paul G., JOSA 65: 1385  
 Visual Acuity of Youths 12-17 Years, United States. DHEW Publ. No. 73-1609, Ser. 11, No. 127 (B), JOSA 64: 253  
 Visual-contrast magnitudes of edge-induced contrast effects (A), JOSA 64: 1400  
 Visual information processing by the housefly: The roll response (A), JOSA 67: 1415  
 Visual performance and image coding (A), JOSA 66: 173  
 Visual performance with biocular magnifiers (A), JOSA 64: 1358  
 Visual processing of repetitive images (A), JOSA 66: 174  
 Visual response surgically investigated (A), JOSA 65: 1205  
 Visual signaling, symposium, Washington, 9-10 Apr 1974 (M), Reported by Nimeroff, Isadore, AO 13: 2186  
 Visual system model and a new distortion measure in the context of image processing (TE), JOSA 68: 374  
 Visual texture discrimination using random-dot patterns (ET), JOSA 67: 765  
 Wavelength dependence of seeing (TE), JOSA 68: 877  
 Wavelength-dependent effect of near ultraviolet on C<sup>14</sup>-leucine incorporation into rat retina (A), JOSA 64: 1373  
 Wideangle fundus camera (P), AO 17: 327  
 Wide-angle ophthalmoscope (P), AO 14: 2038  
 Wide-angle ophthalmoscope (P), AO 15: 2946  
 Your Eyes. By Thomas Chalkley (B). Reviewed by Sullivan, Charles T., JOSA 65: 103
- ### Vision, acuity
- Contrast sensitivity and viewing distance (E) (L), JOSA 65: 97  
 Depth of focus, eye size, and visual acuity (A), JOSA 68: 1427  
 Detectability of a luminance increment: effect of superimposed random luminance fluctuation (E) (L), JOSA 66: 1426  
 Direction-selective adaptation with very slow motion (TE) (L), JOSA 69: 1039  
 Dynamics of an image viewed through a rotating mirror (T), JOSA 69: 771  
 Effect of chromatic uncertainty on detectability of a visual stimulus (E) (L), JOSA 68: 266  
 Further studies of the effect of stimulus parameter uncertainty upon visual detection performance (A), JOSA 66: 1079  
 Increment threshold law for sources of arbitrary statistics (A), JOSA 69: 1433  
 Laser speckle optometer applications to ophthalmological problems (A), JOSA 66: 1112  
 Longitudinal spherical aberration of modern ophthalmic lenses and its effect on visual acuity (A), JOSA 68: 1439  
 Luminance and opponent-color contributions to visual detection and adaptation and to temporal and spatial integration (E), JOSA 66: 709  
 Luminance and opponent color contributions to visual detection and to temporal and spatial integration: comment (T) (L), JOSA 68: 1143  
 Luminance and opponent color contributions to visual detection and to temporal and spatial integration: reply to comments (T) (L), JOSA 68: 1146  
 Luminance and opponent color contributions to visual detection and to temporal and spatial integration: comment (errata), JOSA 68: 1787  
 Method of estimating dark light and quantum efficiency from ROC curves (A), JOSA 67: 1426  
 Muon-induced visual sensations (E), JOSA 66: 49  
 Non-Poisson nature of the effective noise in the visual system near threshold (A), JOSA 68: 1454  
 Oblique effect as a function of contrast (A), JOSA 69: 1445  
 Optics of polarization sensitivity in animals (A), JOSA 66: 1112  
 Perception of raggedness of edge images (A), JOSA 68: 1454  
 Perimetry of contrast detection thresholds of moving spatial sine wave patterns. III. The target extent as a sensitivity controlling parameter (E), JOSA 68: 854  
 Photon counting and energy detection in vision (A), JOSA 67: 1426  
 Power law psychometric functions: nonlinear transducer or uncertainty? (A), JOSA 67: 1426  
 Pupil size and stereoacuity (E) (L), JOSA 66: 157  
 Registration of visual detection models with search data (A), JOSA 66: 1079  
 Spatial frequency and light spread descriptions of visual acuity and hyperacuity (A), JOSA 66: 1078



- Spatial frequency and light-spread descriptions of visual acuity and hyperacuity (E), JOSA 67: 207
- Stereoscopic acuity for moving retinal images (E), JOSA 68: 450
- Two factors in the development of visual acuity (A), JOSA 65: 1217
- Visual acuity in the presence of retinal-image motion (E), JOSA 65: 847
- Visual sensitivity of the eye to infrared laser radiation (E), JOSA 66: 339

## Vision, adaptation

- Bezold-Brücke phenomenon of the extrafoveal retina (TE), JOSA 69: 1648
- Cone interactions at high flicker frequencies: evidence for cone latency differences? (E) (L), JOSA 67: 1601
- Cone interactions at high flicker frequencies: evidence for cone latency differences? (errata), JOSA 68: 277
- Foveal CFF during the course of dark adaptation (L), JOSA 66: 70
- Perimetry of contrast detection thresholds of moving spatial sine wave patterns. IV. The influence of the mean retinal illuminance (E), JOSA 68: 860
- Retinal mechanisms for light adaptation brightness encoding, and sensitivity (A), JOSA 65: 1185

## Vision, discrimination

- Bandwidths of visual channels estimated from detection and discrimination data (A), JOSA 67: 1408

## Vision, pattern

- Bandwidths of orientation channels in human vision (TE), JOSA 69: 652
- Bistable visual organization of moving subjective figures (A), JOSA 67: 1401
- Chromatic border distinctness: not an index of hue or saturation differences (E), JOSA 69: 113
- Effect of spatial frequency on the visibility of unstructured patterns (E), JOSA 66: 327
- Local structure of movement parallax of the plane (T), JOSA 66: 717
- Minimum curvature assumption and perceived surface orientation (A), JOSA 68: 1450
- Monkey contrast threshold for aperiodic patterns (ET), JOSA 66: 131
- Motion and vision. I. Stabilized images of stationary gratings (E), JOSA 69: 1266
- Movement-selective mechanisms in human vision sensitive to high spatial frequencies (TE) (L), JOSA 68: 1002
- Relationship between the detection and recognition of Snellen letters and contrast sensitivity for normal and abnormal visual systems (A), JOSA 68: 1455
- Spatial frequency masking in human vision: binocular interactions (E), JOSA 69: 838
- Spatial summation effects on two-component grating thresholds (E), JOSA 68: 116

## Vision, perception

- Psychology of Visual Perception. By Ralph Norman Haber and Maurice Hershenson (B). Reviewed by Harvey, Lewis O., Jr., JOSA 64: 113
- Visual and Auditory Perception. By Gerald M. Murch (B). Reviewed by Harvey, Lewis O., Jr., JOSA 64: 113

## Vision, photoreceptors

- Bezold-Brücke phenomenon of the extrafoveal retina (TE), JOSA 69: 1648
- Birefringence and dichroism in invertebrate photoreceptors (T) (L), JOSA 65: 221
- Functional properties of visual receptors and their optical implications (A), JOSA 67: 1362
- Microspectrophotometric studies of rods and cones (A), JOSA 67: 1361
- Noninvasive microspectrophotometry of butterfly photoreceptors (A), JOSA 67: 1362
- Ocular melanin (A), JOSA 67: 1362
- Unspecified role of cones and rods in grating detection (T) (L), JOSA 68: 1009
- Vertebrate retinal receptor optics (A), JOSA 67: 1362
- Visual system of invertebrates (A), JOSA 67: 1387

## Vision, physiological optics

- Aberration tolerances for visual optical systems, JOSA 67: 634
- Accommodation and color (E), JOSA 68: 459
- Accommodative convergence response to off-foveal retinal images (E), JOSA 68: 1497
- Accuracy of image stabilization using the double-Purkinje-image eyetracker (A), JOSA 68: 1413
- Analysis of cathode ray tubes generated spatial sine-wave grating stimuli (A), JOSA 66: 1120
- Astigmatism, accommodation, and visual instrumentation (E), AO 17: 3903
- Automatic instrument for kinetic and static perimetry (A), JOSA 66: 1120
- Automatic measurement of the refractive error of the eye (A), JOSA 66: 1113
- Axial chromatic aberration of eye with achromatizing lens (E) (L), JOSA 64: 1724
- Bandwidths of orientation channels in human vision (TE), JOSA 69: 652
- Bandwidths of visual channels estimated from detection and discrimination data (A), JOSA 67: 1408
- Binocular judgment of the direction in which an object is moving in depth (A), JOSA 65: 1179
- Brightness ceiling in scotopic vision (A), JOSA 68: 1450
- Caustic analysis of the interocular lens implants in humans (A), JOSA 67: 1427
- Common image motion severely disrupts motion parallax sensitivity (A), JOSA 69: 1487
- Comprehensive theory of vision (A), JOSA 66: 1120
- Computations for Twersky's theory of corneal transparency based on Hart-Farrell's swelling pressure (T) (L), JOSA 66: 864
- Cones mediate subjective transients but rods mediate sustained persistence (A), JOSA 68: 1450
- Cones suppress rod brightness (A), JOSA 67: 1427
- Connectedness and three dimensionality affect the time course of masking (A), JOSA 68: 1365
- Context manipulates stereoscopic depth perception (A), JOSA 65: 1180
- Contribution of the central retina to laser speckle VERs (A), JOSA 69: 1486
- Corneal curvature and amphibious vision in penguins (A), JOSA 67: 1389
- Corneal polarization cross (E) (L), JOSA 68: 1139
- Correction of empty-field myopia on the basis of the dark-focus of accommodation (TE), JOSA 69: 89
- Cortical pooling in the perception of orientation (A), JOSA 66: 1090
- Crawford masking of sine-wave gratings (A), JOSA 67: 1408
- Decay of rod signals following bright flashes (A), JOSA 67: 1427
- Differential effects of flashed and steady backgrounds upon rod increment thresholds (A), JOSA 69: 1453
- Disparity averaging in random dot stereopsis (A), JOSA 69: 1479
- Disparity-gradient limit for binocular fusion (A), JOSA 69: 1479
- Dynamic contributions of the components of binocular vergence (E), JOSA 69: 639
- Effect of meridional disparity on depth perception (E), JOSA 69: 99
- Effect of random luminance fluctuation on luminance increment detectability (A), JOSA 65: 1184
- Effects of aberrations on visual optical systems (A), JOSA 66: 1120
- Effects of luminance and stimulus distance on accommodation and visual resolution (E), JOSA 66: 135
- Effects of turbulence on resolution of images on TV displays (A), JOSA 65: 1186
- Electronic aberration synthesizer for measurements of the eye (A), JOSA 66: 1121
- Electrophysiological techniques for studying visual function (A), JOSA 65: 1208
- Entoptic phenomenon of the flying corpuscles and retinal blood flow (A), JOSA 69: 1485
- Evidence for linearity in the suprathreshold contrast perception of complex objects (A), JOSA 69: 1452
- Experimental study of the bending-induced change of the power and longitudinal spherical aberration of soft contact lenses (A), JOSA 69: 1447

- Eye movements during binocular rivalry (A), JOSA 66: 1090
- Fast determination of stereopsis in rhesus monkey using dynamic random-dot stereograms (A), JOSA 66: 1090
- Flicker sensitivity of the primate rod local electroretinogram (A), JOSA 67: 1363
- Fluctuations of relative sensitivity of opposite eyes during fusion (A), JOSA 68: 1365
- Fluctuations of visibility during dichoptic viewing (A), JOSA 69: 1452
- Foveal cones often disobey the anterior pointing hypothesis (A), JOSA 68: 1451
- Frequency specific adaptation: Temporal factors (A), JOSA 67: 1408
- Functional properties of visual receptors and their optical implications (A), JOSA 67: 1362
- Fusion without eye movements (A), JOSA 68: 1413
- Human Stereopsis, A Psychophysical Approach. By W. Lawrence Gulick and Robert B. Lawson (B). Reviewed by Julesz, Bela, JOSA 66: 1140
- Human visual system models in image quality measures (A), JOSA 66: 1090
- Increment-threshold functions measured during dark adaptation and against steady backgrounds (A), JOSA 69: 1454
- Influence of intraocular scattered light on lightness scaling experiments (A), JOSA 69: 1452
- Influence of rod adaptation upon rod-cone interaction (A), JOSA 69: 1453
- Interference with orientation sensitivity for a line (A), JOSA 65: 1184
- LASCRs discriminate amblyopes from normals (A), JOSA 69: 1477
- Laser refraction (P), AO 13: 2735
- Lowering of discomfort glare threshold with daily sustained accommodation (A), JOSA 67: 1427
- Luminance, not brightness, determines temporal brightness enhancement with chromatic stimuli (E), JOSA 69: 581
- Mandelbaum Effect: Evidence for an accommodative bias toward intermediate viewing distances (TE), JOSA 69: 646
- Maps and migraines (A), JOSA 65: 1185
- Measurement of the longitudinal spherical aberration of soft contact lenses (E), OL 4: 224
- Measurement of the rotation of a disk from its elliptical projection, with an application to eye movements (T), JOSA 67: 1336
- Mechanism for the constant appearance of objects with varying viewing distance (A), JOSA 69: 1452
- Method of determining the state of refraction of a human eye (P), AO 13: 2959
- Method of photographic refraction of the eye (A), JOSA 69: 1486
- Method of stabilizing retinal images (A), JOSA 65: 1184
- Microspectrophotometric studies of rods and cones (A), JOSA 67: 1361
- Motion and vision. I. Stabilized images of stationary gratings (E), JOSA 69: 1266
- Motion and vision. II. Stabilized spatio-temporal threshold surface (TE), JOSA 69: 1340
- Motion effect and after effect that are contingent upon depth (A), JOSA 65: 1180
- Movement perception produced without actual target displacement (A), JOSA 65: 1185
- Muon-induced visual sensations (E), JOSA 66: 49
- Myopia triggered by sustained accommodation and deficit-inducing diets (A), JOSA 69: 1477
- Noninvasive optical probe of the invertebrate eye (A), JOSA 66: 1120
- Nonlinear spatial-frequency-channel model of brightness perception (A), JOSA 65: 1185
- Novel binocular three-dimensional eyetracker (A), JOSA 66: 1112
- Ocular melanin (A), JOSA 67: 1362
- Ocular reflecting layers (A), JOSA 67: 1388
- On corneal transparency and its loss with swelling (E), JOSA 66: 342
- Ophthalmic lenses with progressively varying focal length (P), AO 13: 2959
- Ophthalmometer having alternative viewing and measuring systems and including an improved illumination system (P), AO 13: 2960
- Optical design of reflectors. part 3 (T) (L), AO 17: 1308
- Optical design reflectors: part 3: comments (T) (L), AO 17: 3705



- Optical design reflectors: part 3; reply to comments (T) (L), AO 17: 3706
- Optical illusion as a function of cerebral hemispheric specialization (A), JOSA 67: 1427
- Optical matrix methods for the pseudophakic eye (A), JOSA 67: 1427
- Optical model study of the effects of human crystalline lens growth on the optical parameters of the human eye (A), JOSA 69: 1446
- Optical physiology: a technique for isolation of pupillary responses from single types of insect photoreceptors (A), JOSA 68: 1427
- Optical properties of soft contact lenses as a function of their water concentration (A), JOSA 69: 1447
- Optical transmission in photoreceptors: implications for SC II effect (A), JOSA 69: 1486
- Perceived contrast of suprathreshold gratings (A), JOSA 65: 1184
- Perimetry of contrast detection thresholds of moving spatial sine wave patterns. I. The near peripheral visual field (eccentricity  $0^\circ$ – $8^\circ$ ) (E), JOSA 68: 845
- Perimetry of contrast detection thresholds of moving spatial sine wave patterns. II. The far peripheral visual field (eccentricity  $0^\circ$ – $50^\circ$ ) (E), JOSA 68: 850
- Perimetry of contrast detection thresholds of moving spatial sine wave patterns. III. The target extent as a sensitivity controlling parameter (E), JOSA 68: 854
- Perimetry of contrast detection thresholds of moving spatial sine wave patterns. IV. The influence of the mean retinal illuminance (E), JOSA 68: 860
- Photographic measurement of linespread of human eye (A), JOSA 67: 1407
- Possible rod-cone interaction in dark adaptation (E) (L), JOSA 66: 1429
- Psychophysical evidence for global feature processing in visual texture discrimination (TE), JOSA 69: 675
- Pupillary light reflex in rats with hereditary retinal degeneration (A), JOSA 69: 1478
- Qualitative stereopsis fails again: more on form insensitivity (A), JOSA 67: 1400
- Quantitative analyses of stereopsis by binocular delay (A), JOSA 66: 1090
- Quantum efficiency of the eye determined by comparison with a TV camera (E), JOSA 64: 1706
- Range of stereopsis (A), JOSA 68: 1365
- Retinal image motion: the key to vision (A), JOSA 68: 1413
- Retinal venous logistical changes associated with vision training therapy (A), JOSA 66: 1091
- Rod-cone interrelationships at light onset and offset (TE) (L), JOSA 69: 1727
- Rods change foveal cone thresholds (A), JOSA 69: 1453
- Role of rods in photopic gray perception (A), JOSA 69: 1453
- Saturation of colored samples at various levels of reflectance (E), JOSA 67: 647
- Saturation of the cone system by small steady backgrounds (A), JOSA 69: 1453
- Self-examination of certain conditions of the eye (P), AO 13: 2959
- Sensitization following offset of an annulus (A), JOSA 69: 1452
- Signals evoked in the human cortex by chromatic modulation of a sinusoidal grating (A), JOSA 67: 1408
- Sites of action of small adapting fields (A), JOSA 68: 1450
- Small adapting fields favor rod-cone interaction during early light adaptation (A), JOSA 69: 1453
- Spatial contrast sensitivity with stabilized vision (A), JOSA 68: 1413
- Spatial Fourier transform using the human eye (A), JOSA 68: 1451
- Spatial frequency masking in human vision: monocular and dichoptic presentation (A), JOSA 67: 1408
- Spatiotemporal contrast detection threshold surface is bimodal (E), OL 4: 32
- Speculation on the amount of information needed to form the refractive optics of a frog's eye (A), JOSA 68: 1428
- Steady-state evoked potentials in fundamental and clinical research (A), JOSA 65: 1209
- Stereoscopic acuity for moving retinal images (E), JOSA 68: 450
- Study of the Stiles-Crawford (S-C) function at  $35^\circ$  in the temporal field and the stability of the foveal S-C function peak over time (E), JOSA 69: 435
- Subjective method for the determination of aberrations of the eye (A), JOSA 64: 554
- Subjective method for the measurement of monochromatic aberrations of the eye (E), JOSA 67: 1508
- Surface irregularity of the human eyelens (A), JOSA 67: 1427
- Temporal-contrast enhancement and millisecond structure of the human visual impulse response (A), JOSA 65: 1185
- The "fly" machine (A), JOSA 67: 1399
- Theory of human stereopsis (A), JOSA 67: 1400
- Three-dimensional shape representation (A), JOSA 67: 1400
- Tilting a field in an optical system (P), AO 16: 13
- Tracking device (P), AO 13: 2960
- Transient visually evoked potential (A), JOSA 65: 1209
- Under-stimulation of scotopic system by fluorescent light (A), JOSA 69: 1487
- Use of the waveguide parameter  $V$  to determine the difference in the index of refraction between the rat rod outer segment and the interstitial matrix (E), JOSA 68: 1130
- Uses of ERG (A), JOSA 65: 1209
- Vertebrate retinal receptor optics (A), JOSA 67: 1362
- Visibility of low-spatial-frequency sine-wave targets: dependence on size of average-luminance surround (A), JOSA 67: 1408
- Visual functional changes following unilateral patching in young adults (A), JOSA 69: 1478
- Visual strategies in epipelagic and demersal fishes (A), JOSA 67: 1388
- Visual strategies in marine forms—marine mammals (A), JOSA 67: 1388
- Visual strategies of deep-sea fishes (A), JOSA 67: 1388
- Westheimer effect with rectilinear stimuli (A), JOSA 67: 1409
- Why rods and cones? (A), JOSA 68: 1450
- ## Vision, physiology
- Bezold-Brucke phenomenon of the extrafoveal retina (TE), JOSA 69: 1648
- Binocular motor adjustments for far and near vision (A), JOSA 68: 1359
- Boundary effects in retinal neural networks (A), JOSA 69: 1432
- Comparative aspects of Hering's law (A), JOSA 68: 1359
- Comparison of the voltage noise and the response to one photon in the rods of the turtle retina (A), JOSA 69: 1464
- Cone interactions at high flicker frequencies: evidence for cone latency differences? (E) (L), JOSA 67: 1601
- Cone interactions at high flicker frequencies: evidence for cone latency differences? (errata), JOSA 68: 277
- Corneal thickness measured by interferometry (TE), JOSA 65: 119
- Correction of empty-field myopia on the basis of the dark-focus of accommodation (TE), JOSA 69: 89
- Detective quantum efficiency of the human eye (A), JOSA 69: 1465
- Differences between red and green color-mechanism characteristics: interaction or artifact? (E) (L), JOSA 66: 1430
- Electrophysiological techniques for studying visual function in man: a historical overview (R), JOSA 67: 1451
- Electroretinogram. By John C. Armington (B); Reviewed by Riggs, Lorrin A., JOSA 65: 971
- Heterochromatic brightness matching by pupillography and by flicker photometry (A), JOSA 66: 1103
- How our two eyes are held steady (A), JOSA 68: 1359
- Human Lens in Relation to Cataract. By A. Pirie (B). Reviewed by Miller, David, AO 14: 791
- Interaction between rod and cone signals studied with temporal sine wave stimulation (E), JOSA 67: 1210
- Is the pecten nature's version of an acousto-optical modulator? (A), JOSA 68: 1428
- Lateral interactions and spatial analysis (A), JOSA 66: 1075
- Lateral interactions between vertebrate rods and cones (A), JOSA 66: 1074
- Local processing of visual information (A), JOSA 66: 1074
- Lower bound estimate on the number of detection channels in the human visual system (A), JOSA 69: 1433
- Maximum luminance in the field of view does not always generate the maximum lightness (A), JOSA 66: 1103
- Maxwell spot and additivity in tetrachromatic matches (E), JOSA 68: 1501
- Measurement by holographic interferometry of the deformation of the eye accompanying changes in intraocular pressure (E) (L), AO 17: 3538
- Modulation sensitivity of human color mechanisms (E) (L), JOSA 66: 1436
- Multiple channels and the perception of suprathreshold objects (A), JOSA 69: 1432
- Night myopia and the intermediate dark focus of accommodation (E), JOSA 65: 1121
- Noninvasive studies of choroidal blood flow (A), JOSA 65: 1171
- Nonlinear analysis of parallel visual pathways in the cat retina (A), JOSA 69: 1432
- Ocular hazards of near—UV laser radiation (A), JOSA 66: 79
- Photokeratography using moiré techniques (L), AO 15: 2964
- Primate visual system: *in vitro* analysis (A), JOSA 69: 1479
- Psychophysical applications of human electroretinography (E), JOSA 67: 1458
- Quantum fluctuation effects predicted from receiver operating characteristic (ROC) analysis (A), JOSA 69: 1465
- Refractoriness in the maintained discharge of the cat's retinal ganglion cell (TE), JOSA 68: 386
- Retinal signals and noise underlying visual detection (A), JOSA 69: 1469
- Rod receptors in color vision (A), JOSA 68: 1399
- Role of quantum fluctuations and the Neyman Type-A distribution in human vision (A), JOSA 69: 1469
- Single-photon signals and intrinsic noise in locust photoreceptors (A), JOSA 69: 1469
- Some limitations of the "physiologizing" possible by psychophysicists (A), JOSA 66: 1078
- Spatiotemporal mapping of scalp potentials (E), JOSA 67: 1489
- Spatio-temporal mappings of scalp potentials (A), JOSA 65: 1209
- Steady-state evoked potentials (E), JOSA 67: 1475
- Study of the Stiles-Crawford (S-C) function at  $35^\circ$  in the temporal field and the stability of the foveal S-C function peak over time (E), JOSA 69: 435
- Symposium on electrophysiological techniques for studying visual function in man (N), JOSA 67: 1606
- Theory of flicker and transient responses. III. An essential nonlinearity (TE), JOSA 68: 1481
- Transient visually evoked potential (E), JOSA 67: 1465
- Tritanopic purity-difference function to describe the properties of minimally distinct borders (ET), JOSA 67: 1330
- Use of the waveguide parameter  $V$  to determine the difference in the index of refraction between the rat rod outer segment and the interstitial matrix (E), JOSA 68: 1130
- ## Vision, psychophysics
- Accommodative convergence response to off-foveal retinal images (E), JOSA 68: 1497
- Cerebral hemispheric specialization as functions of the magnitude of optical illusion (A), JOSA 68: 1365
- Changes in visually evoked cortical potentials due to methylmercury intoxication (A), JOSA 68: 1420
- Comparative studies between the dominant eye and cerebral hemispheric specialization (A), JOSA 69: 1478
- Compensating for visibility losses from target uncertainty (A), JOSA 69: 1486
- Detection of 1-of- $M$  orthogonal signals: asymptotic equivalence of likelihood ratio and multiband models (T), OL 3: 22
- Eye Movements and Psychological Processes. Edited by Richard A. Monty and John W. Senders (B). Reviewed by Boynton, Robert M., JOSA 68: 1456
- Flickering stripes produce visual phantoms (A), JOSA 69: 1479
- Luminance, not brightness, determines temporal brightness enhancement with chromatic stimuli (E), JOSA 69: 581
- Mach bands are attenuated by adjacent bars or lines (A), JOSA 69: 1444
- Mathematics in visual psychophysics (A), JOSA 69: 1432



- Model of the generation of a visual scanpath for aiming a robot eye (A), JOSA 67: 1406
- Motion and vision. I. Stabilized images of stationary gratings (E), JOSA 69: 1266
- Motion and vision. II. Stabilized spatio-temporal threshold surface (TE), JOSA 69: 1340
- Noise suppression in photoreceptors and its relevance to incremental intensity thresholds (T), JOSA 68: 1772
- Optokinetic nystagmus (OKN) is mediated by a binocular process (A), JOSA 69: 1423
- Photopic contrast sensitivity without foveal vision (ET), OL 2: 79
- Predicting visual illusions from filtered images based upon biological data (A), JOSA 69: 1443
- Psychology of computer vision (A), JOSA 67: 1809
- Psychophysical determination of receptor properties in a human albino (A), JOSA 69: 1478
- Rod-cone interrelationships at light onset and offset (TE) (L), JOSA 69: 1727
- Role of spatial inhomogeneity in vision (A), JOSA 68: 1370
- Spatial frequency masking in human vision: binocular interactions (E), JOSA 69: 838
- Theory of flicker and transient responses. III. An essential nonlinearity (TE), JOSA 68: 1481
- Vertical fusional response to asymmetric disparity presentation (A), JOSA 69: 1423
- Visual Psychophysics and Physiology. Edited by John C. Armington, John Krauskopf, and B. R. Wooten (B), Reviewed by Hayhoe, Mary M., JOSA 69: 920
- ### Vision, spatial discrimination
- Accommodative convergence response to off-foveal retinal images (E), JOSA 68: 1497
- Adapting modulation and channel bandwidth (A), JOSA 68: 1380
- Bandwidths of orientation channels in human vision (TE), JOSA 69: 652
- Color or contrast: which is more important for border perception? (A), JOSA 67: 1409
- Comparison of detection and identification of sine-wave gratings (A), JOSA 68: 1439
- Computation of locally parallel structure (A), JOSA 67: 1401
- Contrast enhancement: influence of spatial frequency and flicker rate (A), JOSA 68: 1438
- Cortical mechanism in primate vision for detecting oriented targets (A), JOSA 68: 1419
- Depth Perception through Motion. By Myron L. Braustein (B), Reviewed by Haber, Ralph Norman, JOSA 68: 144
- Detection and discrimination of compound gratings (A), JOSA 68: 1379
- Detection of a complex grating and discrimination of its components (A), JOSA 69: 1444
- Direction-selective adaptation with very slow motion (A), JOSA 68: 1379
- Direction-selective adaptation with very slow motion (TE) (L), JOSA 69: 1039
- Direction-selective masking by filtered noise (A), JOSA 68: 1379
- Discrimination of textures with different orientation distributions (A), JOSA 67: 1401
- Displays in hyperspaceform perception experiments (A), JOSA 68: 1420
- Effect of spatial frequency on the visibility of unstructured patterns (E), JOSA 66: 327
- Effects of luminance and stimulus distance on accommodation and visual resolution (E), JOSA 66: 138
- Exploring vernier acuity with noisy lines (A), JOSA 69: 1433
- Further evidence for four mechanisms mediating vision at threshold: sensitivities to complex gratings and aperiodic stimuli (ET), JOSA 69: 1580
- General zone theory of color and brightness vision. I. Basic formulation (T), JOSA 68: 1465
- General zone theory of color and brightness vision. II. The space-time field (T), JOSA 68: 1471
- Grating induction: a new type of aftereffect (A), JOSA 66: 1078
- Interference with line-orientation sensitivity (E), JOSA 66: 332
- Large cortically evoked potentials elicited by dynamic random-dot stereograms and correlograms (A), JOSA 68: 1420
- Local structure of movement parallax of the plane (T), JOSA 66: 717
- Low frequency masking of spatial frequency gratings (A), JOSA 69: 1444
- Luminance and opponent-color contributions to visual detection and adaptation and to temporal and spatial integration (E), JOSA 66: 709
- Luminance and opponent color contributions to visual detection and to temporal and spatial integration: comment (T) (L), JOSA 68: 1143
- Luminance and opponent color contributions to visual detection and to temporal and spatial integration: reply to comments (T) (L), JOSA 68: 1146
- Luminance and opponent color contributions to visual detection and to temporal and spatial integration: comment (errata), JOSA 68: 1787
- Minimum curvature assumption and perceived surface orientation (A), JOSA 68: 1450
- Monkey contrast threshold for aperiodic patterns (ET), JOSA 66: 131
- Motion and vision. I. Stabilized images of stationary gratings (E), JOSA 69: 1266
- Motion and vision. II. Stabilized spatio-temporal threshold surface (TE), JOSA 69: 1340
- Movement perception and stereopsis in man (A), JOSA 67: 1399
- Multiple-channel model for detecting and discriminating visual patterns (A), JOSA 68: 1420
- Neural and optical aspects of monkey contrast sensitivity (A), JOSA 68: 1427
- New technique of subthreshold additivity (A), JOSA 69: 1444
- Nonlinear analysis of visual evoked potentials in the human (A), JOSA 68: 1427
- Nonlinear spatial-frequency signal-detection model for the human visual system (A), JOSA 68: 1379
- Nonlinear systems analysis of retinal ganglion cells and visual evoked potentials in the cat (A), JOSA 68: 1427
- Orientation contingent distortions of spatial frequency (A), JOSA 69: 1444
- Orientation selectivity in detection of chromatic gratings (E), OL 4: 306
- Perceived sharpness of perceptually square gratings (A), JOSA 69: 1444
- Perimetry of contrast detection thresholds of moving spatial sine wave patterns. I. The near peripheral visual field (eccentricity  $0^{\circ}$ - $8^{\circ}$ ) (E), JOSA 68: 845
- Perimetry of contrast detection thresholds of moving spatial sine wave patterns. II. The far peripheral visual field (eccentricity  $0^{\circ}$ - $50^{\circ}$ ) (E), JOSA 68: 850
- Perimetry of contrast detection thresholds of moving spatial sine wave patterns. III. The target extent as a sensitivity controlling parameter (E), JOSA 68: 854
- Perimetry of contrast detection thresholds of moving spatial sine wave patterns. IV. The influence of the mean retinal illuminance (E), JOSA 68: 860
- Photopic contrast sensitivity without foveal vision (ET), OL 2: 79
- Photoreceptor diameter and spacing for highest resolving power (T) (L), JOSA 67: 696
- Predictions of an inhomogeneous model: detection of local and extended spatial stimuli (T), JOSA 69: 1635
- Psychophysical evidence for global feature processing in visual texture discrimination (TE), JOSA 69: 675
- Pupil size and stereoacuity (E) (L), JOSA 66: 157
- Random-dot texture discrimination (E), JOSA 68: 270
- Receptive field properties investigated by two stimuli method (A), JOSA 68: 1454
- Representation of the spatial-frequency analysis performed by the visual system (T) (L), JOSA 65: 99
- Response of visual mechanisms to stimulus onsets and offsets (TE), JOSA 69: 1350
- Role of contrast in monocular rivalry (A), JOSA 69: 1445
- Role of spatial inhomogeneity in vision (A), JOSA 68: 1370
- Saccadic eye movements and body sway (A), JOSA 69: 1424
- Sensitivity variation across the visual field (A), JOSA 68: 1371
- Short-term memory for visual texture (A), JOSA 68: 1454
- Size discrimination at low spatial frequencies (A), JOSA 69: 1443
- Spatial characteristics of mechanisms underlying grating detection (A), JOSA 65: 1185
- Spatial Contrast, Proceedings of a Workshop held in Amsterdam, The Netherlands, January 4-9, 1976. Edited by H. Spekreijse and L. H. Van Der Tweel (B), Reviewed by Riggs, Lorrin A., JOSA 68: 1291
- Spatial Fourier transform using the human eye (A), JOSA 68: 1451
- Spatial frequency masking in human vision: binocular interactions (E), JOSA 69: 838
- Spatial frequency, not size, predicts changes after adaptation to gratings (A), JOSA 66: 1078
- Spatial frequency tuning for disparity gratings in the cyclopean retina (A), JOSA 68: 1365
- Spatial mapping in the visual system (A), JOSA 68: 1371
- Spatial summation effects on two-component grating thresholds (E), JOSA 68: 116
- Spatial summation in human vision: simple reaction time measurements (E), JOSA 69: 1023
- Spatial vision and geometrical principles (A), JOSA 68: 1370
- Spatial vision in healthy senescent humans (A), JOSA 69: 1478
- Stereoscopic acuity for moving retinal images (E), JOSA 68: 450
- Structure from motion (A), JOSA 67: 1400
- Subjective Lorentz transformations and the perception of motion (ET), JOSA 68: 402
- Test of a single channel, spatiotemporal model of multiple spatial frequency channel phenomena (A), JOSA 68: 1454
- Texture metamers (A), JOSA 67: 1401
- Threshold bandwidths of spatial-frequency filters in human vision (A), JOSA 65: 1185
- Uniform extrafoveal sensitivity to pattern differences (A), JOSA 68: 1437
- Unspecified role of cones and rods in grating detection (T) (L), JOSA 68: 1009
- Variability of depth-discrimination thresholds as a function of observation distance (E) (L), JOSA 66: 740
- Visibility of low-spatial-frequency sine-wave targets: dependence on number of cycles (E), JOSA 65: 343
- Visual texture discrimination using random-dot patterns: comment (TE), JOSA 68: 268
- ### Vision, temporal discrimination
- Binocularly induced motion of flicker patterns (E) (L), JOSA 66: 156
- Brightness and darkness of brief changes in luminance (A), JOSA 69: 1486
- Brightness exponent for the periphery in the Bloch region (E) (L), JOSA 68: 140
- Broca-Sulzer effect in a Ganzfeld (A), JOSA 66: 1078
- Complementary afterimages and the unequal adapting effects of steady and flickering light (E), JOSA 68: 411
- Complex variation in temporal resolution during transient light adaptation (A), JOSA 68: 1438
- Cone interactions at high flicker frequencies: evidence for cone latency differences? (E) (L), JOSA 67: 1601
- Cone interactions at high flicker frequencies: evidence for cone latency differences? (errata), JOSA 68: 277
- Contrast enhancement: influence of spatial frequency and flicker rate (A), JOSA 68: 1438
- Direction-selective adaptation with very slow motion (TE) (L), JOSA 69: 1039
- Direction-selective masking by filtered noise (A), JOSA 68: 1379
- Effects of surround illumination on temporal modulation sensitivity (A), JOSA 69: 1486
- Flicker sensitivities of two distal retinal components (A), JOSA 69: 1433
- Flicker sensitivity measured with intermittent stimuli: I. Influence of the stimulus duration on the flicker threshold (E), JOSA 69: 660
- Flicker sensitivity measured with intermittent stimuli: II. Comparison between temporal gradient detection and the "De Lange" curves (E), JOSA 69: 666
- Fluctuations of relative sensitivity of opposite eyes during fusion (A), JOSA 68: 1365
- Frequency-band dependency of scotopic flicker sensitivity (A), JOSA 68: 1439
- Further evidence for four mechanisms mediating vision at threshold: sensitivities to complex gratings and aperiodic stimuli (ET), JOSA 69: 1580



- General zone theory of color and brightness vision. I. Basic formulation (T), JOSA 68: 1465
- General zone theory of color and brightness vision. II. The space-time field (T), JOSA 68: 1471
- Interaction between rod and cone signals studied with temporal sine wave stimulation (E), JOSA 67: 1210
- Luminance and opponent-color contributions to visual detection and adaptation and to temporal and spatial integration (E), JOSA 66: 709
- Luminance and opponent color contributions to visual detection and to temporal and spatial integration: comment (T) (L), JOSA 68: 1143
- Luminance and opponent color contributions to visual detection and to temporal and spatial integration: reply to comments (T) (L), JOSA 68: 1146
- Luminance and opponent color contributions to visual detection and to temporal and spatial integration: comment (errata), JOSA 68: 1787
- Luminous efficiency functions determined by successive brightness matching (A), JOSA 68: 1400
- Luminous efficiency functions determined by successive brightness matching (E), JOSA 68: 1767
- Masking of sinusoidal targets by uniform flashes of unequal duration (A), JOSA 69: 1445
- Mathematical study of synchronization of responses by lateral inhibition in the *Limulus* retina (A), JOSA 69: 1433
- Mathematics of afterimage discrimination (A), JOSA 69: 1432
- Monoptic and dichoptic temporal masking (A), JOSA 69: 1445
- Motion and vision. II. Stabilized spatio-temporal threshold surface (TE), JOSA 69: 1340
- Movement perception and stereopsis in man (A), JOSA 67: 1399
- Movement-selective mechanisms in human vision sensitive to high spatial frequencies (TE) (L), JOSA 68: 1002
- Ocular accommodation for flickering gratings (A), JOSA 69: 1423
- Perimetry of contrast detection thresholds of moving spatial sine wave patterns. I. The near peripheral visual field (eccentricity  $0^{\circ}$ - $8^{\circ}$ ) (E), JOSA 68: 845
- Perimetry of contrast detection thresholds of moving spatial sine wave patterns. II. The far peripheral visual field (eccentricity  $0^{\circ}$ - $50^{\circ}$ ) (E), JOSA 68: 850
- Perimetry of contrast detection thresholds of moving spatial sine wave patterns. III. The target extent as a sensitivity controlling parameter (E), JOSA 68: 854
- Perimetry of contrast detection thresholds of moving spatial sine wave patterns. IV. The influence of the mean retinal illuminance (E), JOSA 68: 860
- Response of visual mechanisms to stimulus onsets and offsets (TE), JOSA 69: 1350
- Size-dependent changes in temporal integration on flashed and steady adapting fields (A), JOSA 69: 1487
- Spatial summation in human vision: simple reaction time measurements (E), JOSA 69: 1023
- Spatial summation of brightness for flickering targets (A), JOSA 68: 1439
- Temporal facilitation and stroboscopic motion (E), JOSA 69: 92
- Temporal frequency characteristics of patients with ocular pathologies (A), JOSA 68: 1455
- Temporal frequency spectra for laser speckle cortical evoked responses (A), JOSA 68: 1380
- Ternus's configuration in apparent motion (A), JOSA 67: 1400
- Test of a single channel, spatiotemporal model of multiple spatial frequency channel phenomena (A), JOSA 68: 1454
- Theory of flicker and transient responses. III. An essential nonlinearity (TE), JOSA 68: 1481
- Visual detection of differences in velocity (A), JOSA 68: 1380
- Adiabatic pressure dependence of the 2.7 and 1.9  $\mu\text{m}$  water vapor bands (E), JOSA 67: 1532
- Aerosol droplet size and concentration from simple transmittance measurements (TE), AO 15: 2454
- Atmospheric corrections for airborne measurements of water surface temperature (T) (L), AO 13: 1745
- Atmospheric water vapor at South Pole (E) (L), AO 16: 2041
- Attenuation of 33- $\mu\text{m}$  laser radiation by atmospheric water vapor (E) (L), AO 15: 2027
- Carbon dioxide and water vapor absorption measurements using a  $\text{CO}_2$  laser and differential spectrophone (A), JOSA 66: 1072
- Cloud-base water content measurement using single wavelength laser-radar data (TE), AO 14: 2873
- Coherent anti-Stokes Raman spectroscopy: spectra of water vapor in flames (TE), OL 4: 87
- Comparison of calculated and experimental transmission spectra of  $\text{H}_2\text{O}$  between 330 and 635  $\text{cm}^{-1}$  (A), JOSA 68: 1425
- Complex ice-crystal halo phenomena: sky archeology (A), JOSA 69: 1411
- Contributions of water vapor absorption lines to fluctuations of infrared absorption and refractive index in atmospheric turbulence (A), JOSA 69: 1413
- Critical angle scattering by a bubble: physical-optics approximation and observations (TE), JOSA 69: 1205
- Derivatives of 6.3  $\mu\text{m}$  water-vapor-band (ET), JOSA 64: 1119
- Determination of  $\text{D}_2\text{O}$ -in-water (N), AO 15: 2282
- Determination of inherent optical properties of Lake Ontario coastal waters (E), AO 18: 3926
- Effective infrared optical depths associated with the clear ocean (T), AO 17: 3054
- Effect of anomalous dispersion by water vapor on  $C_n$  for IR propagation (A), JOSA 68: 1425
- Effects of oxygen addition on pressure-broadened water-vapor absorption in the 10- $\mu\text{m}$  region (E), AO 17: 2724
- Electromagnetic scattering and absorption by thin walled dielectric cylinders with application to ice crystals (T), AO 16: 2979
- Estimation of soil moisture and components by measuring the degree of spectral polarization with a remote sensing simulator (E), AO 17: 3439
- Excitation of surface electromagnetic waves on water (ET), AO 17: 3459
- Far-infrared high-resolution Fourier transform spectrometer: applications to  $\text{H}_2\text{O}$ ,  $\text{NH}_3$ , and  $\text{NO}_2$  lines (E), AO 15: 708
- Far infrared optical constants of liquid water measured with an optically pumped laser (E) (L), JOSA 69: 1723
- Fog measurements for optical transmission prediction (A), JOSA 68: 1358
- High-energy laser beam propagation through water droplets (A), JOSA 68: 1357
- Infrared continuum absorption by atmospheric water vapor in the 8-12- $\mu\text{m}$  window (E), AO 15: 2085
- Infrared emissivity of single water droplets (L), AO 18: 4065
- Inherent obstacles in determining the structure of water from vibrational spectroscopic data (A), JOSA 68: 1448
- Instrumental methods for air and water measurements and monitoring program, National Bureau of Standards, 14 Dec 1974 (N), AO 13: 2498
- Iterative model of multiple scattering in fogs (A), JOSA 68: 1357
- Laser diffraction study of diatoms (A), JOSA 66: 1135
- Light scattering in water droplet fogs (A), JOSA 67: 259
- Limitation to optoacoustic detection of atmospheric gases by water vapor absorption (T) (L), AO 13: 1005
- Limiting range of an active-viewing system in water (A), JOSA 64: 547
- Limiting range of a nearly coaxial-active viewing system in water (A), JOSA 66: 1097
- Measurements and modeling of self- and air-broadened 3.8  $\mu\text{m}$   $\text{H}_2\text{O}$  continuum absorption (A), JOSA 68: 1425
- Measurements of the optical constants of liquid  $\text{H}_2\text{O}$  and  $\text{D}_2\text{O}$  between 6 and 450  $\text{cm}^{-1}$  (E), JOSA 67: 902
- Molecular interpretation of the infrared water vapor continuum (T) (L), AO 17: 1484
- Molecular interpretation of the IR water vapor continuum: comments (TE) (L), AO 17: 3193
- Molecular rotational and vibrational relaxations of  $\text{D}_2\text{O}$  (A), JOSA 68: 1403
- Nimbus-5 ITPR experiment (E), AO 13: 499
- Ocean color spectra measured off the Oregon coast: characteristic vectors (E), AO 15: 394
- Optical absorptions of light and heavy water by laser optoacoustic spectroscopy (ET,R), AO 18: 3348
- Optical backscattering from near-spherical water, ice, and mixed phase drops (ET), AO 16: 1332
- Optical constants in the infrared for  $\text{K}_2\text{SO}_4$ ,  $\text{NH}_4\text{H}_2\text{PO}_4$ , and  $\text{H}_2\text{SO}_4$  in water (E), JOSA 64: 39
- Optical constants of  $\text{D}_2\text{O}$  in the infrared (E), JOSA 68: 815
- Optical constants of water in the infrared: Influence of temperature (ET), JOSA 67: 494
- Optical propagation in turbulent water (T), JOSA 68: 1067
- Optical properties of sea water in the infrared (E), JOSA 66: 554
- Optical properties of water in the neighborhood of 35  $^{\circ}\text{C}$  (E) (L), JOSA 64: 105
- Optical properties of water in the near infrared (E), JOSA 64: 1107
- Optics of the sea (interface and inwater transmission and imaging), NATO AGARD lecture series no. 61, Miami, 17-21 Sep 1973 (M), Reported by McCluney, W. R., AO 13: 8
- Optoacoustic measurements of water vapor absorption at selected CO laser wavelengths in the 5- $\mu\text{m}$  region (E) (L), AO 15: 2025
- PATZ—an underwater LLL TV camera with internal pan and tilt, zoom (A), JOSA 66: 1124
- Phase transition changes in the molecular absorption coefficient of water in the infrared: evidence for clusters (TE) (L), AO 17: 3192
- Pressure dependence of the water vapor continuum absorption in the 3.5-4.0- $\mu\text{m}$  region (E), AO 18: 1149
- Pressure dependence of water vapor continuum absorption (A), JOSA 67: 1442
- Raman-lidar humidity sounding of the atmospheric boundary-layer (E), AO 18: 1141
- Raman-scattering cross sections for water vapor (ET), JOSA 66: 422
- Refraction correction for fluorescence spectra of aqueous solutions (E) (L), AO 17: 2875
- Relationships between Secchi depth and inherent optical properties of natural waters (T) (L), AO 17: 3341
- Remote sensing of subsurface water temperature by Raman scattering (ET), AO 18: 1732
- Rotation-vibration Raman spectrum of water vapor (A), JOSA 67: 1397
- Satellite observations of atmospheric water vapor (ET), AO 13: 507
- Saturation effect for  $\text{H}_2\text{O}$  absorption lines at ruby laser wavelengths (E), AO 18: 3014
- Spectral band passes for a high precision satellite sounder (T), AO 16: 322
- Spectrophone measurements of isotopes of water vapor and nitric oxide and of phosgene at selected wavelengths in the CO and  $\text{CO}_2$  laser region (E), OL 2: 67
- Spectrophotometers for the measurement of light in polar ice and snow (E), AO 13: 1652
- Spectroscopy at very high pressures. 14: Laser Raman scattering in ultrasmall samples in a diamond anvil cell (E), AO 16: 2572
- Split-pulse laser method for measuring attenuation coefficients of transparent liquids: application to deionized filtered water in the visible region (E), AO 17: 3587
- Subsurface water parameters: optimization approach to their determination from remotely sensed water color data (TE), AO 15: 886
- Temperature dependence and cross sections of some Stokes and anti-Stokes Raman lines in ice Ih (E), AO 14: 2116
- Temperature dependence of infrared absorption by the water vapor continuum near 1200  $\text{cm}^{-1}$  (E), AO 17: 2299
- Theological optics (L), AO 14: A92
- Thermodynamic derivatives of infrared absorptance (TE), JOSA 64: 1111

## Water



Ultraviolet optical constants of water and ammonia ices (ET), JOSA 65: 919

Water cluster interpretation of IR absorption spectra in the 8–14- $\mu$ m wavelength region (T), AO 18: 2609

Water continuum absorption measurements using a single-frequency DF laser (A), JOSA 65: 1201

Water vapor absorption coefficients at HF laser wavelengths (2.64–2.93  $\mu$ m) (ET), AO 18: 1582

Water-vapor absorption line parameter measurements using laser spectroscopy (A), JOSA 65: 1164

Water-vapor absorption measurements using a line-tunable deuterium fluoride laser (A), JOSA 65: 1201

Water vapor absorption measurements using a hydrogen fluoride laser (A), JOSA 67: 1442

Water vapor absorption of carbon dioxide laser radiation (E), AO 15: 2480

Water vapor absorption spectra of the upper atmosphere (45–185  $\text{cm}^{-1}$ ) (ET), AO 14: 2146

Water vapor continuum absorption in the 3.5–4.1  $\mu$ m region (A), JOSA 66: 1088

Water-vapor-continuum absorption measurements (3.5–4.0  $\mu$ m) using HDO-depleted water (E), OL 1: 31

Water vapor continuum absorption in the 3.5–4.0- $\mu$ m region (ET), AO 17: 2711

Water vapor differential absorption lidar development and evaluation (E), AO 18: 3474

Water vapor–nitrogen absorption at CO<sub>2</sub> laser frequencies (E), AO 18: 834

Water vapor: spectral transmission at wavelengths between 0.7  $\mu$ m and 1  $\mu$ m (E), AO 17: 2114

Waveguides

See also Fiber optics, Guided waves, Integrated optics

Aberration-corrected rounded-edge geodesic lenses (T), JOSA 69: 1242

Absorbing and radiating cylinders as boundary-value problems (T), JOSA 64: 619

Acoustooptic interaction in a planar acoustic waveguide (T), AO 17: 3837

Active branching waveguide modulator (A), JOSA 66: 1101

Analog image transmission in optical waveguides (T), OL 2: 75

Analysis of asymmetric slab waveguides (A), JOSA 67: 1394

Analysis of non-matched beam propagation in gradient-index optical guides (T), JOSA 65: 1483

Analysis of optical channel waveguides and directional couplers with graded-index profile (T), JOSA 69: 807

Analysis of scattering from fiber waveguides with irregular core surfaces (T), AO 13: 2370

Analysis of two-dimensional waveguides with misaligned or curved gratings (A), JOSA 68: 1872

Analysis of waveguided Gaussian beams coupled by misaligned or curved gratings (T), JOSA 69: 1235

Analysis of waveguiding in stripe geometry diode lasers (A), JOSA 68: 1434

Angle selective fiber coupler (E), AO 15: 253

Aperiodic distributed-parameter waveguides for integrated optics (T), AO 13: 1853

Application of the equivalent-index method to DH diode lasers (T), AO 18: 3724

Applications of curved-surface waveguide in integrated optics (A), JOSA 66: 288

Approximate analysis of optical waveguide grating coupling coefficients (T), AO 15: 774

Approximate formula for describing dispersion properties of optical dielectric slab and fiber waveguides (T), JOSA 69: 291

Attenuation and tunneling coefficients for leaky rays in multilayered optical waveguides (T), JOSA 67: 1627

Attenuation in bends of diffused-stripe waveguides (A), JOSA 66: 289

Attenuation measurement in low-loss optical glass by polarized radiation (A), JOSA 64: 1386

Attenuation measurement in low-loss optical glass by polarized radiation (E), AO 14: 3047

Beam coupling to linear waveguides using lenslike waveguides (T), AO 14: 1213

Bending losses of dielectric slab optical waveguide with double or multiple claddings: theory (T), AO 14: 2588

Bending losses of dielectric slab optical waveguide with double or multiple claddings: theory (errata), AO 15: 1681

Birefringent coupler for integrated optics (E), AO 13: 1359

Blazed and high line density holographic gratings produced by use of optical guided waves (A), JOSA 66: 1114

Bragg coupling efficiency for guided acoustooptics interaction in GaAs (TE), AO 15: 156

Bragg effect waveguide coupler analysis (A), JOSA 67: 1392

Bragg effect waveguide coupler analysis (T), AO 16: 3230

Bragg electrostriction in optical waveguides (T), AO 16: 1960

Brillouin scattering from thin-film waveguides (A), JOSA 67: 1410

Brochure about optical waveguides (N), AO 16: 2459

Calculation of the maximum optical coupling efficiency into multimode optical waveguides (T), AO 13: 1029

CdTe waveguide devices and HgCdTe epitaxial layers for integrated optics (A), JOSA 66: 290

Channel optical waveguides and directional couplers in GaAs—imbedded and ridged (ET), AO 13: 327

Channel waveguide electro-optic devices for communications and information processing (A), JOSA 66: 291

Characteristics of Nb-diffused LiTaO<sub>3</sub> film and embedded strip waveguides (A), JOSA 65: 225

Characteristics of rib waveguides in GaAs-AlGaAs heterostructures (A), JOSA 69: 1483

Characteristics of Ti-diffused lithium niobate optical directional couplers (ET), AO 18: 4012

Comparison of losses in imperfect surface-diffused and buried optical waveguides (T), OL 4: 149

Comparison of normal mode and total field analysis techniques in planar integrated optics (T), JOSA 69: 1676

Composite prism—grating coupler for coupling light into high refractive index thin-film waveguides (E) (L), AO 15: 1681

Computational approach for predicting the optical behavior of multimode fiber optic switching devices (TE), JOSA 69: 443

Computing the propagation characteristics of radially stratified fibers: an efficient method (T), AO 16: 483

Contribution of unbound modes to light absorption in visual photoreceptors (TE), JOSA 64: 1711

Convolution using guided acousto-optical interaction on As<sub>2</sub>S<sub>3</sub> waveguides (A), JOSA 66: 290

Corning and the cost of living (N), AO 14: 2507

Coupled power theorem and orthogonality relations for optical disk waveguides (T), JOSA 67: 1634

Coupler for optical waveguide light source (P), AO 14: 1044

Coupling arrangements for dielectric and metal-clad optical waveguides (P), AO 14: 1044

Coupling efficiency between GaAlAs laser and low loss optical fibers (E) (L), AO 14: 2815

Coupling of curved transmission lines, and application to optical directional couplers (T), JOSA 65: 163

Coupling of fibers to Ti-diffused LiNbO<sub>3</sub> waveguides by butt-joining (E), AO 18: 2037

Coupling optical waveguides by tapers (T), AO 14: 3012

Coupling to film waveguides with reusable plastic gratings (E) (L), AO 15: 289

Coupling to graded index waveguide (P), AO 15: 1888

Crosstalk between light pipes (T), JOSA 66: 877

Delay equalizers for multimode optical fibers (P), AO 14: 1044

Design and fabrication of a blazed replica grating coupler for optical waveguides (E), OL 1: 67

Determination of characteristics of diffused optical waveguides (A), JOSA 66: 288

Determination of modal power distribution in graded-index optical waveguides from near-field patterns and its application to differential mode attenuation measurement (TE), AO 18: 2207

Determination of ray directions coupled out of waveguides through prisms and gratings (T), AO 18: 1092

Dielectric optical waveguides (P), AO 18: 748

Differential mode attenuation measurements in graded-index fibers (E), AO 17: 1830

Diffused optical waveguides with exponential profile: effects of metal-clad and dielectric overlay (T), AO 17: 469

Diffusion kinetics and optical waveguiding properties of outdiffused layers in lithium niobate and lithium tantalate (TE), AO 13: 2333

Direct technique for calculating dielectric permittivity profiles from the distribution of mode indices in waveguides (T), JOSA 65: 1019

Discontinuity radiation in surface waveguides (T), JOSA 65: 1248

Dispersion characteristics in quasi-step and graded-index slab waveguides by ray-tracing technique (T), JOSA 65: 1022

Dispersion minimization in dielectric waveguides: comment on (T) (L), AO 13: 1289

Dispersion minimization in dielectric waveguides: reply to comment on (L), AO 13: 1290

Dispersion minimization in dielectric waveguides: comment (T) (L), AO 13: 2461

Dispersion-optimized optical single-mode glass fiber waveguides (T), AO 14: 163

Distributed coupling between a single-mode fiber and a planar waveguide (A), JOSA 66: 291

Distribution networks and electrically controllable couplers for integrated optics (T), AO 13: 1372

Eccentric core optical waveguide (P), AO 16: 538

Effective electro-optic coefficient of multilayer dielectric waveguides: modulation enhancement (T), JOSA 68: 30

Effective thickness of optical waveguides in tunable directional couplers (T), JOSA 64: 615

Effect of Goos-Haenchen shifts on pulse widths in optical waveguides (T) (L), AO 16: 2353

Effect of leaky modes on the response of short optical fibers (T) (L), JOSA 67: 1284

Effect of the cladding on pulse broadening in graded-index optical waveguides (T), AO 16: 2171

Effects of a buffer layer on TM modes in a metal-clad optical waveguide using Ti-diffused LiNbO<sub>3</sub> C-plate (T), AO 16: 2994

Effects of a thin overlying film on optical waveguides and couplers (TE), JOSA 66: 226

Effects of edge-rounding on geodesic lenses (T), AO 15: 2817

Effects of metal overlays on 3-D optical waveguides (T) (L), AO 17: 2866

Effects of profile deformations of fiber bandwidth (T), AO 18: 3758

Effects of waveguide mode asymmetry on the laser diode-to-diffused waveguide coupling efficiency (T) (L), AO 18: 3372

Efficient near-infrared stimulated Raman scattering in glass fiber waveguides (A), JOSA 67: 255

Efficient wideband guided-wave acoustooptic Bragg diffraction using phased surface acoustic wave array in LiNbO<sub>3</sub> (ET), AO 16: 1297

Electromagnetic momentum and momentum flow in dielectric waveguides (T), JOSA 66: 320

Electrooptically Q-switched CO<sub>2</sub> waveguide laser (E), AO 18: 2824

Electro-optical switching in thin film waveguides for a computer communication bus (A), JOSA 68: 1360

Electrooptical switching in thin film waveguides for a computer communication bus (E), AO 18: 3296

Electrooptic diffraction modulation in Ti-diffused LiTaO<sub>3</sub> (E), AO 17: 3259

Electrooptic switching (P), AO 16: 3246

End fire coupling between optical fibers and diffused channel waveguides (A), JOSA 67: 1393

End fire coupling between optical fibers and diffused channel waveguides (T) (L), AO 16: 3045

End-fire coupling between optical fibers and diffused channel waveguides: comment (T) (L), AO 18: 2362



- Enhancement of third harmonic generation in metal-dielectric waveguides (TE), AO 18: 728
- Enhancement of third harmonic generation in metal-dielectric waveguides: comment (T) (L), AO 18: 2733
- Epitaxial zinc sulfide thin-film optical waveguides (A), JOSA 64: 1366
- Equal excitation of all modes on an optical fiber (T), JOSA 68: 572
- Evaluation of fiber optical waveguides using Brillouin spectroscopy (E), AO 13: 1376
- Evaluation of large-area GaAsP heterostructure waveguides for 1.06 and 0.905  $\mu\text{m}$  wavelengths (A), JOSA 66: 291
- Evanescent-wave amplification in asymmetric-slab waveguides (T), JOSA 64: 263
- Exact expressions for scalar modal eigenvalues and group delays in power-law optical fibers (T), JOSA 69: 1599
- Excitation of a doubly clad optical fiber by misaligned Gaussian beams (T), AO 17: 2086
- Excitation of fundamental and low-order modes of optical fiber waveguides by Gaussian beams. 1: Tilted beams (T), AO 13: 1893
- Excitation of fundamental and low-order modes of optical fiber waveguides with Gaussian beams. 2: Offset beams (T), AO 14: 169
- Excitation of hybrid modes in magneto-optic waveguides (E) (L), AO 13: 1001
- Explicit general eigenvalue solutions for dielectric slab waveguides (T), AO 14: 327
- Fabrication of integrated optical elements using a computer-controlled electron beam (E), AO 13: 636
- Fabrication of optical waveguide taper couplers utilizing  $\text{SiO}_2$  (E), AO 18: 506
- Failure of geometric optics for analysis of circular optical fibers (T), JOSA 64: 608
- Far infrared guided wave optics experiments in anisotropic crystal quartz waveguides (A), JOSA 66: 288
- Fiber optic guides of noncircular cross section (T) (L), AO 17: 1673
- Fiber optic sheet formation by selective photopolymerization (E), AO 17: 646
- Fiber optics transmittance: effect of cladding absorption (T) (L), AO 15: 2033
- Fiber waveguides: a novel technique for investigating attenuation characteristics (E), AO 15: 2112
- Field deformation and loss caused by curvature of optical fibers (T), JOSA 66: 311
- Flash evaporation of compounds with a pulsed-discharge  $\text{CO}_2$  laser (E), AO 15: 1327
- Flexible, infrared transmissive waveguides at 10.6  $\mu\text{m}$  (A), JOSA 66: 1102
- Focal properties of uncorrected geodesic waveguide lenses (A), JOSA 66: 289
- Frequency demultiplexing in GaAs EAP waveguide detectors (TE) (L), AO 17: 3533
- Fresnel's and Snell's laws for the multimode optical waveguide of circular cross section (T), JOSA 65: 1241
- Further discussions of approximate formulas describing dispersion properties of dielectric optical waveguides (T), JOSA 69: 1373
- GaAs optical waveguide structures at 10.6- $\mu\text{m}$  wavelength (E), AO 14: 1572
- GaAs twin-laser setup to measure mode and material dispersion in optical fibers (E), AO 13: 261
- Gaussian approximation of the fundamental modes of graded-index fibers (T), JOSA 68: 103
- Gaussian beam propagation in thin film waveguides (T) (L), AO 17: 2134
- Generalized parameters for tunneling ray attenuation in optical fibers (T), JOSA 68: 110
- Generation of enhanced coherent anti-Stokes Raman spectroscopy signals in liquid-filled waveguides (E), OL 4: 227
- Geodesic optical waveguide lens analysis (T), JOSA 67: 1293
- Geometric optics limit of Marcuse's coupled power equations (T) (L), AO 15: 868
- Glass compositions for thin-film waveguides (A), JOSA 66: 1118
- Goos-Haenchen shift (T), AO 15: 236
- Graded index fiber waveguides with borosilicate composition: fabrication techniques (E), AO 15: 1803
- Grating coupled radiation in lasers and waveguides (A), JOSA 66: 1115
- Grating coupling between low-index fibers and high-index film waveguides (A), JOSA 66: 292
- Grating lenses for integrated optics (ET), OL 2: 142
- Growth of  $\text{LiNbO}_3$  thin films by liquid-phase epitaxy (A), JOSA 66: 290
- Guided modes in graded index optical fibers (T), JOSA 67: 1192
- Guided-wave optical SHG of GaAs laser wavelengths in four-layered nonlinear waveguide (A), JOSA 68: 688
- Guided waves in an optical square-law medium (T), JOSA 64: 964
- Heterostructure devices, a light guiding layer having contiguous zones of different thickness and bandgap and method of making same (P), AO 18: 747
- High efficiency input-output prism waveguide coupler: an analysis (ET), AO 18: 2921
- High resolution lenses for optical waveguides (TE), AO 13: 2105
- Holographic coupler for optical waveguides (P), AO 15: 1887
- Holographic fiber to waveguide coupler (P), AO 15: 1359
- Hot splices of optical waveguide fibers (E), AO 15: 793
- Impulse response of a step index optical fiber excited by a Lambertian source (T), AO 16: 1311
- Impulse response of a step index optical fiber excited by a Lambertian source: addendum (T) (L), AO 16: 3082
- Index-profile determination of heterostructure GaAs planar waveguides from mode-angle measurements at 10.6  $\mu\text{m}$  wavelength (TE), JOSA 65: 46
- Index profiles for generalized Luneburg lenses and their use in planar optical waveguides (T), JOSA 67: 1010
- Indiffused waveguides: effects of thin film overlays (T) (L), AO 14: 2329
- Inhomogeneous Optical Waveguides. By M. S. Sodha and A. K. Ghatak (B), Reviewed by Kapron, Felix P., AO 17: 1478
- Inhomogeneous optical waveguide lens analysis (T), JOSA 67: 1004
- Inhomogeneous Optical Waveguides. By M. S. Sodha and A. K. Ghatak (B), Reviewed by Keck, Donald B., JOSA 68: 1287
- In-line connectors for multimode optical waveguide bundles (E) (L), AO 13: 240
- In-plane scattering in optical waveguides (A), JOSA 68: 1372
- In situ* measurement of growth and decay of radiation damage in fiber optical waveguides (A), JOSA 67: 707
- Integrated-optical corrector plates for waveguide geodesic lenses (A), JOSA 67: 1393
- Integrating sphere for measuring scattering loss in optical fiber waveguides (E), AO 13: 1900
- Integration of deflection and detection of guided light on silicon substrates (A), JOSA 66: 289
- Interdependence of waveguide and material dispersion (T), AO 18: 2930
- Investigations of GaAs/GaAlAs waveguide lasers with second-order distributed feedback (A), JOSA 66: 288
- Isotopic chemical vapor deposition of fused silica and high-silica-content glasses for the production of low-loss optical waveguides (E) (L), AO 16: 1453
- Laser diode end-fire coupling into  $\text{Ti:LiNbO}_3$  waveguides (TE) (L), AO 18: 2536
- Laser heating strain-induced optical waveguides (A), JOSA 66: 1102
- Lateral optical confinement in  $\text{GaAs-Ga}_{0.7}\text{Al}_{0.3}$  as heterostructure waveguides fabricated by liquid-phase epitaxy over preferentially etched channels (A), JOSA 66: 288
- Launching efficiencies of the  $\text{HE}_{1m}$  modes in a self-focusing optical fiber waveguide (T), AO 14: 1543
- Leaky-mode propagation in Ti-diffused  $\text{LiNbO}_3$  and  $\text{LiTaO}_3$  waveguides (ET), OL 3: 76
- Leaky modes in graded index optical fibers (T), AO 15: 2773
- Leaky modes on a dielectric waveguide: orthogonality and excitation (T), AO 15: 1040
- Leaky modes on a dielectric waveguide: orthogonality and excitation (errata), AO 15: 2953
- Leaky modes on circular optical waveguides (T), AO 15: 477
- Leaky rays on circular optical fibers (T), JOSA 64: 599
- Length optimization of an S-shaped transition between offset optical waveguides (T), AO 17: 763
- Light absorption in visual photoreceptors (T), JOSA 64: 216
- Light acceptance property of an optical fiber (T), AO 13: 1889
- Light beam switching and modulation using a built-in dielectric channel in  $\text{LiNbO}_3$  planar waveguide (ET), AO 17: 892
- Light distribution in optical waveguides (TE), JOSA 68: 310
- Lightguiding in photochromic glasses (E), AO 14: 580
- Light scattering in optical waveguides (T), AO 17: 3226
- Light waves guided by a single curved metallic surface (TE), AO 17: 316
- Lineshape measurement for coupling to waveguide modes in the prism-film coupler (ET), AO 13: 2525
- Liquid-core fibre-optic waveguides (P), AO 15: 584
- Liquid core multimode optical waveguide (P), AO 14: 1756
- Liquid crystal switch for optical waveguide (P), AO 17: 1470
- Liquid crystal waveguide (P), AO 16: 2789
- Log-amplitude and phase fluctuations of a guided beam mode in asymmetric slab waveguides (T), JOSA 66: 668
- Losses at corner bends in dielectric waveguides (T), AO 16: 711
- Losses in multimode hollow metal infrared waveguides (E), OL 3: 235
- Losses of a nematic liquid-crystal optical waveguide (TE), JOSA 64: 1424
- Low-loss  $\text{Al}_x\text{Ga}_{1-x}\text{As}$  waveguides grown by molecular-beam epitaxy (A), JOSA 66: 290
- Low-loss infrared guiding in metal-dielectric waveguides (A), JOSA 66: 289
- Low-loss junctions between dielectric and metal-clad dielectric waveguides (A), JOSA 66: 288
- Measurement of differential mode attenuation in graded-index fiber optical waveguides (A), JOSA 67: 707
- Measurement of optical field profiles in diffused  $\text{LiNbO}_3$  waveguides (A), JOSA 68: 1373
- Measurement of spectral total and scattering losses in unclad optical fibers (ET), JOSA 64: 469
- Measurements on four-layer isotropic waveguides (TE) (L), AO 16: 814
- Measurement technique of OH-ion distribution profile in rod preform of silica-based optical fiber waveguides (E), AO 17: 2570
- Mechanism of the photoinduced refractive index increase in polymethyl methacrylate (E), AO 13: 112
- Metal-clad optical waveguides: analytical and experimental study (TE), AO 13: 396
- Metal-clad planar dielectric waveguide for integrated optics (T), JOSA 64: 274
- Metal diffused stripe waveguides: approximate closed form solution for lower order modes (T) (L), AO 15: 319
- Method for measuring parallel waveguide directional coupler parameters (A), JOSA 66: 289
- Method of drawing glass optical waveguides (P), AO 18: 3714
- Method of filtering unwanted modes in waveguides (P), AO 14: 3110
- Method of forming novel curved-line gratings and their use as reflectors and resonators in integrated optics (TE), OL 1: 64
- Method of manufacturing an optical fibre light waveguide (P), AO 15: 1889
- Method of producing O-type optical waveguide (P), AO 18: 3554
- Minimal dispersion refractive index profiles (T), AO 18: 2927
- Minimum dispersion in a single-mode step-index optical fiber (T), AO 18: 2516
- Mixer for optical waveguide bundle (P), AO 15: 1346
- Modal fields in graded-index fibers: comparison between perturbation theory and evanescent field theory (T) (L), AO 18: 3
- Modal fields of anisotropic channel waveguides (T), JOSA 67: 523
- Modal treatment of an optical fiber with a modified hyperbolic secant index distribution (T), JOSA 69: 960
- Mode classification and cutoff conditions in fiber optical waveguides (A), JOSA 67: 1372
- Mode control of Ti-diffused  $\text{LiNbO}_3$  slab optical waveguide (E), AO 16: 2546
- Mode conversion in a thin film waveguide by a two-stage coupling process (E) (L), AO 18: 145



- Mode conversion losses of randomly bent, singly and doubly clad waveguides for single mode transmission (T), AO 15: 2778
- Mode coupling effects in graded-index optical fibers (T), AO 14: 935
- Mode dependent attenuation in parabolic optical fibers (T), AO 16: 1639
- Mode-dependent attenuation of optical fibers: excess loss (T), AO 15: 1045
- Mode dispersion in diffused channel waveguides by the effective index method (T), AO 16: 113
- Mode dispersion in uniaxial optical waveguides (T), JOSA 64: 441
- Mode liftoff using a branching dielectric waveguide (A), JOSA 66: 289
- Mode selective filtering by a coupling mechanism between glass fiber and thin-film slab waveguide (E) (L), AO 13: 2757
- Modes in fiber optical waveguides with ring index profiles (T), AO 14: 1533
- Modes of dielectric waveguides of arbitrary cross sectional shape (T), JOSA 69: 1226
- Modes of optical waveguides (T), JOSA 68: 297
- Mode transducer for optical waveguides (P), AO 17: 1470
- Modified evanescent wave theory for evaluation of propagation constants and group delays of graded-index fibers (T) (L), AO 18: 3719
- Modified ray tracing in a dielectric rod (T) (L), AO 13: 2459
- Modified zigzag-ray model in a dielectric slab optical waveguide (T) (L), AO 15: 317
- Modulation-efficiency calculation in optical-waveguide modulator (T) (L), JOSA 65: 1079
- Modulation-sensitivity enhancement in electro-optic slab waveguides (TE), JOSA 65: 797
- Multimode delay compensation in fibers with profile distortions (T), AO 18: 4003
- Multimode inhomogeneous fiber couplers (T), AO 18: 489
- Multimode optical fibers: interplay of absorption and radiation losses (T), AO 15: 1295
- Multimode optical waveguides with graded refractive index: theory of power launching (T), AO 15: 2765
- Multimode waveguide: a low-pass filter: supplementary comments (T) (L), AO 13: 1754
- Multiple- $\alpha$  index profiles (T), AO 18: 683
- New light-focusing fibers made by a continuous process (E), AO 13: 255
- Nonlinear holographic waveguide coupler (E), AO 15: 1800
- Nonlinearities in optical fiber waveguides (A), JOSA 67: 1361
- Nonlinearity of effective index versus bulk index in multilayer dielectric waveguides: Large incremental effective index sensitivity (T), JOSA 67: 1187
- Normal modes of an infinite hexagonal array of identical circular dielectric rods (T), JOSA 64: 1136
- Number of modes on optical waveguides (T) (L), JOSA 65: 356
- Numerical solution of the coupled-mode equations of guided-wave optics (A), JOSA 64: 525
- Offset prism for optical waveguide coupling (T), AO 13: 1850
- Open beam waveguides: theory (T), AO 14: 1565
- Operation regimes of Cerenkov, Smith-Purcell and TW amplifiers (A), JOSA 68: 629
- Optical analysis of multiple-quantum-well lasers (T) (L), AO 18: 3547
- Optical and acoustic properties of arsenic pentasulfide glass (L), AO 17: 2482
- Optical coupling from fibers to channel waveguides formed on silicon (E), AO 17: 895
- Optical demultiplexer using coupling between nonidentical waveguides (ET), AO 17: 3253
- Optical dielectric waveguides (P), AO 18: 747
- Optical directional couplers with tapered coupling strength (A), JOSA 68: 1360
- Optical fiber eigenvalue equation: plane wave derivation (T), AO 15: 2121
- Optical fiber jacket designs for minimum distortion loss (P), AO 18: 747
- Optical fibers for communication (R), AO 13: 249
- Optical fibers for dispersion in the time domain (T) (L), AO 15: 1907
- Optical Fibre Waveguides. Edited by P. J. B. Claricoats (B). Reviewed by Tomlinson, W. J., JOSA 67: 982
- Optical field distribution in a waveguide loaded with high refractive-index film; modulation efficiency improvement in a planar-type modulator (T), AO 15: 455
- Optical intermediate amplifier for communication system (P), AO 15: 2947
- Optically pumped waveguide lasers (R), JOSA 67: 952
- Optical modal evolution 3-dB coupler (ET), AO 15: 1053
- Optical-mode filters using coupling between two nonidentical waveguides (ET), AO 17: 486
- Optical phase matching in  $\text{Ta}_2\text{O}_5$  waveguides (A), JOSA 65: 1222
- Optical propagation in W-fibers with rectangular core (T) (L), AO 18: 2909
- Optical properties of waveguides made by a porous glass process (E) (L), AO 18: 2732
- Optical slot and strip waveguides formed by metal platings (A), JOSA 66: 288
- Optical strip waveguide: an analysis (T), AO 18: 908
- Optical transmission fiber (P), AO 17: 1470
- Optical wave guide (P), AO 17: 1667
- Optical-waveguide band-rejection filters: design (T), AO 13: 2886
- Optical waveguide cable connection (E), AO 15: 2785
- Optical waveguide cost considerations (A), JOSA 67: 706
- Optical-waveguide filters: synthesis (T), JOSA 65: 804
- Optical waveguide for integrated optics (ET), AO 13: 322
- Optical waveguide having periodic spatial perturbations (P), AO 18: 749
- Optical waveguide intersections without light leak (TE), AO 16: 1033
- Optical waveguide loaded with high refractive-index strip film (T), AO 15: 179
- Optical waveguide power divider (P), AO 18: 2542
- Optical waveguide refractive index profiles determined from measurement of mode indices: a simple analysis (TE), AO 15: 151
- Optical waveguides fabricated by preferential etching (E), AO 14: 1200
- Optical-waveguides formation by ion implantation and by sputtering (A), JOSA 64: 524
- Optical waveguide switch ( $3 \times 3$ ) for an optical switching system (T), AO 17: 1182
- Optical waveguide  $3 \times 3$  switch: theory of tuning and control (T), AO 18: 510
- Optical waveguide techniques for thin-film measurements (A), JOSA 66: 165
- Optical waveguide transmitting light wave energy in single mode (P), AO 18: 748
- Optical waveguide with unequally spaced lenses (P), AO 13: 11A26
- Optical waveguiding and optical clean-up in Ti-diffused  $\text{LiTaO}_3$  (A), JOSA 66: 290
- Optical waveguiding polarizer (E) (L), AO 13: 1753
- Out-of-plane scattering in optical waveguides (A), JOSA 68: 1372
- Parabolic fiber cutoffs: a comparison of theories (T), JOSA 67: 1185
- Parallel end-butt coupling of a GaAs laser diode and a thin-film waveguide (A), JOSA 66: 292
- Parylene C films for optical waveguides (E) (L), AO 13: 2458
- Performance criteria and limitations of electrooptic waveguide array deflectors (TE), AO 18: 3282
- Performance limitations imposed on optical waveguide switches and modulators by polarization (T), AO 15: 2440
- Periodic interactions and wave conjugation in optical waveguides (A), JOSA 68: 1365
- Perturbation theory applied to gain or loss in an optical waveguide (T) (L), AO 13: 715
- Phase transmission in multimode waveguides (A), JOSA 69: 1459
- Planar branching networks for multimode and monomode glass fiber systems (A), JOSA 66: 289
- Planar optical waveguides achieved by ion implantation in zinc telluride: general characteristics (ET), AO 16: 1289
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- Planar Optical Waveguides and Fibers. By H.-G. Unger (B). Reviewed by Marcuse, Dietrich, JOSA 68: 1648
- Planar optical waveguides fabricated by silver-ion migration in glass (A), JOSA 66: 292
- Planar refractive-index-gradient optical waveguides (A), JOSA 64: 525
- Polarization and losses of whispering-gallery waves along twisted trajectories (TE), JOSA 69: 1218
- Polarization optics of index-gradient optical waveguide fibers (TE), AO 14: 2406
- Positive-permittivity-metal cladding: its effect on the modes of dielectric optical waveguides (T), AO 15: 2804
- Possibility of real-time transmission of images in multimode waveguides (A), JOSA 66: 290
- Power attenuation in bent graded-index optical waveguides (A), JOSA 68: 1408
- Power loss at directional change in dielectric waveguides (T), AO 13: 642
- Power of modes propagating inside a dielectric rod (T) (L), JOSA 64: 393
- Power transfer between local normal modes in dielectric waveguide devices (A), JOSA 66: 288
- Precise determination of refractive index and thickness in the Ti-diffused  $\text{LiNbO}_3$  waveguide (TE), JOSA 68: 1690
- Prism coupler for optical waveguide (P), AO 18: 3221
- Prism offset for optical waveguide coupling (T) (L), AO 15: 1375
- Profile synthesis in multicomponent glass optical fibers (T), AO 16: 108
- Progress in graded-index optical waveguides (A), JOSA 67: 706
- Progress in optical waveguide process and materials (ER), AO 18: 3684
- Propagation characteristics of graded-index optical waveguides fabricated by ion implantation (A), JOSA 66: 289
- Propagation characteristics of GaAsP heterostructure waveguides for 1.06  $\mu\text{m}$  and 0.905  $\mu\text{m}$  wavelengths: an evaluation (ET), AO 15: 789
- Propagation characteristics of trapezoidal cross-section ridge optical waveguides: an experimental and theoretical investigation (ET), AO 17: 1187
- Propagation constants in diffused planar optical waveguides (T) (L), AO 13: 2755
- Propagation in asymmetrical anisotropic film waveguides (T), AO 13: 1363
- Propagation in a weakly anisotropic waveguide (T), AO 16: 2204
- Propagation of infrared light in flexible hollow waveguides (T), AO 15: 145
- Propagation of IR light in flexible hollow waveguides (T) (errata), AO 15: 2028
- Propagation of IR light in flexible hollow waveguides: further discussion (E), AO 15: 3037
- Propagation of modes in curved hollow metallic waveguides for the infrared (T), AO 16: 2163
- Propagation of truncated Gaussian beams in multimode fiber guides (T), JOSA 68: 989
- Propagation properties of a multilayer optical waveguide with an attenuating sheet (T), AO 15: 802
- Properties of the terminated optical crossbar matrix (T) (L), AO 15: 2950
- Pulse broadening caused by deviations from the optimal index profile (T), AO 15: 782
- Pulse broadening in graded-index optical fibers (TE), AO 15: 483
- Pulse broadening in optical fibers (T) (L), AO 16: 2583
- Pulse distortion in the ultimate multimode optical fiber (T), AO 15: 1290
- Pyroelectric loss measurement in  $\text{LiNbO}_3$ :Ti guides (E), OL 4: 60
- Quantitative study of propagation in hollow metal infrared waveguides (A), JOSA 68: 1372
- Radial and tangential polarizers (P), AO 13: 2438
- Radiating normal modes of lossy planar waveguides (T), JOSA 69: 311
- Radiation from dielectric optical waveguides: a comparison of techniques (T) (L), AO 16: 1470
- Radiation loss calculations for corrugated dielectric waveguides (A), JOSA 68: 1372
- Radiation loss calculations for corrugated dielectric waveguides: TM polarization (A), JOSA 69: 1483
- Radiation loss calculations for corrugated dielectric waveguides (T), JOSA 68: 1701
- Radiation loss calculations for corrugated dielectric waveguides. II: TM polarization (T), JOSA 69: 1671
- Radiation losses in diffused and buried optical waveguides (A), JOSA 68: 1372



- Radiation losses of parabolic-index slabs and fibers with bent axes (T), AO 17: 755
- Radiation losses of the HE<sub>11</sub> mode of a fiber with sinusoidally perturbed core boundary (T), AO 14: 3021
- Random fluctuations in first-order waveguide grating filters (T), AO 18: 2575
- Ray attenuation in lossless dielectric structures (T), JOSA 64: 956
- Ray delay in gradient waveguides with arbitrary symmetric refractive profile (T), AO 13: 1045
- Ray launching and observation in graded-index optical fibers (T), JOSA 69: 294
- Ray model of energy and power flow in anisotropic film waveguides (T), JOSA 64: 1313
- Rays, stored energy, and power flow in dielectric waveguides (T), JOSA 64: 174
- Ray theory of randomly bent multimode optical fibers (T), OL 3: 63
- Ray trajectories in optical fiber tapered sections (T), AO 17: 3670
- Recent development on high-power infrared waveguide modulators (A), JOSA 66: 290
- Reflection losses from imperfectly broken fiber ends (T), AO 14: 3016
- Refractive index and energy-gap behavior of the borosilicate-glass system (A), JOSA 64: 525
- Refractive-index distribution for a prescribed ray path (E), JOSA 69: 450
- Refractive index profile measurements of diffused optical waveguides (E), AO 13: 2112
- Relation between dispersion and power-flow distribution in a dielectric waveguide (T), JOSA 65: 41
- Relation between phase and group indices in anisotropic inhomogeneous guiding media (T) (L), JOSA 67: 124
- Relation between phase and group indices in anisotropic inhomogeneous guiding media (L), JOSA 67: 1281
- Resolution of self-images in planar optical waveguides (T), JOSA 68: 583
- Resonant tunneling of light in optical waveguides (E) (L), JOSA 66: 972
- Resonator theory for hollow waveguide lasers (T), AO 13: 2117
- Rib waveguide switches with MOS electrooptic control for monolithic integrated optics in GaAs-Al<sub>x</sub>Ga<sub>1-x</sub>As (E), AO 17: 2548
- Ridge waveguide without high refractive index layer: multilayer side cladded ridge waveguide (TE), AO 17: 105
- Safe manipulation of high power beams (N), AO 13: 6A14
- Scalar and vector mode relations in gradient-index light guides (T), JOSA 65: 1235
- Scaling laws for cw 337- $\mu$ m HCN waveguide lasers (E), AO 15: 3047
- Scaling rules for thin-film optical waveguides (T), AO 13: 1857
- Scattering from a localized inhomogeneity in a cladded fiber optical waveguide. I: Radiation loss (T), AO 15: 2131
- Scattering in ZnO-sapphire optical waveguides (TE), AO 14: 923
- Scattering of TM waves by a surface deformation on uniaxial-slab waveguide (A), JOSA 64: 1364
- Scattering phenomena in volume holograms with strong coupling (ET), AO 17: 116
- Second harmonic generation in composite waveguides (A), JOSA 66: 291
- Sectioned thin-film grating (TE), JOSA 64: 1631
- Self-aligning optical waveguide connector (P), AO 15: 1888
- Self-imaging in homogeneous optical waveguides (A), JOSA 66: 290
- Semiconductor drift photodetector for equalization of optical fiber material dispersion (P), AO 14: 1756
- Semiconductor laser to integrated optics coupling using transition waveguides (A), JOSA 66: 289
- Side launch excitation of selected modes in graded-index optical fibers (ET), AO 17: 3245
- Sidelobe suppression in corrugated-waveguide filters (T), OL 1: 43
- Silicon nitride films on silicon for optical waveguides (ET), AO 16: 3218
- Single-crystal electrooptic thin-film waveguide modulators for infrared laser systems (E), AO 13: 2529
- Single-mode fiber-optical polarization rotator (E), AO 18: 1857
- Single-mode optical-waveguide fiber coupler (E), AO 17: 2092
- Single-mode optical waveguides (T), AO 18: 1490
- Solar energy collection using beam waveguides (T) (L), AO 15: 855
- Soliton propagation in optical waveguides (A), JOSA 68: 1359
- Solution of optical waveguide discontinuity problems (A), JOSA 66: 1102
- Spatial and temporal power transfer measurements on a low-loss optical waveguide (E), AO 13: 1882
- Spatially coherent transmission in optical waveguides (A), JOSA 68: 1360
- Spectra of stimulated Raman scattering in silica-fiber waveguides (A), JOSA 67: 709
- Spectroscopic characteristics of small dielectric cones (A), JOSA 67: 1372
- Sputtered niobium oxide thin-film waveguides on arbitrary substrates (A), JOSA 65: 1222
- Sputtered thin films for integrated optics (E) (L), AO 13: 712
- Star coupler: a unique interconnection component for multimode optical waveguide communications systems (E), AO 13: 2540
- Step index limit of power law refractive index profiles for optical waveguides (T), JOSA 68: 1188
- Stochastic rays in a waveguide, JOSA 66: 893
- Strength of optical waveguides (A), JOSA 67: 706
- Stripe waveguides and coupling modulators of lithium niobate-tantalate (A), JOSA 66: 289
- Strip-loaded waveguide formed in a graded-index LiNbO<sub>3</sub> planar waveguide (TE), AO 17: 1953
- Structure of optical guided modes in planar multilayers of optically anisotropic materials (T), JOSA 64: 166
- Study of titanium diffusion into LiNbO<sub>3</sub> low-loss waveguides by x-ray photoelectron spectroscopy (A), JOSA 66: 290
- Switching and coupling in Ti:LiNbO<sub>3</sub> waveguides (A), JOSA 66: 289
- Tapered edge ridge waveguides for integrated optics (TE), AO 14: 1847
- Tapered gap prism couplers for high index materials (E) (L), AO 16: 1795
- Tapered parabolic-index fiber waveguide (T) (L), AO 18: 1482
- Tapered waveguides for guided wave optics (E), AO 18: 900
- Techniques for the measurement of relative waveguide mode refractive indices (A), JOSA 67: 1393
- Theory of Dielectric Optical Waveguides. By Dietrich Marcuse (B), Reviewed by Keck, Donald B., AO 14: A69
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- Theory of nonlinear pulse propagation in inhomogeneous waveguides (T), OL 4: 164
- Theory of phase conjugation by stimulated scattering in a waveguide (T), JOSA 68: 1050
- Theory of time-dependent propagation in multimode lightguides (T), JOSA 67: 1300
- Thin-film laser-to-fiber coupler (E), AO 13: 391
- Thin film optical couplers employing mode conversion (P), AO 13: 2440
- Thin film optical switching device (P), AO 18: 261
- Thin film optical waveguides colloquium, IEEE, London, 9 Mar 1973 (M), Reported by Waynick, A. H., AO 13: 1735
- Three-layer waveguide for thin film lens fabrication (P), AO 18: 3925
- Titanium in-diffused LiNbO<sub>3</sub> optical waveguide fabrication (E), AO 18: 2041
- Transmission and recovery of three-dimensional image information in optical waveguides (T), JOSA 66: 301
- Transmission characteristics of infrared electro-optical waveguides (A), JOSA 66: 1101
- Transmission of Gaussian pulses through monomode dielectric optical waveguides (T) (L), AO 16: 22
- Transversely-excited waveguide gas laser (P), AO 14: A77
- Tunable optical wave guide systems (P), AO 18: 747
- Two-dimensional silicon grooves for altitudinal alignment in fiber end-butt coupling (E), OL 3: 73
- Two wavelength measurements of optical waveguide parameters (E), AO 14: 946
- Uniaxial and biaxial anisotropy in thin-film optical waveguides (T), JOSA 64: 27
- Unstable open resonators: two-dimensional and three-dimensional losses by a waveguide analysis (T), AO 15: 1470
- Upper bound to a group index in slab dielectric waveguides (T) (L), JOSA 66: 500
- Use of curved-line gratings for diffraction of light in an optical waveguide (A), JOSA 67: 1392
- Use of optical waveguides for exposing mammalian cells to intense laser radiation (A), JOSA 68: 1383
- Use of the waveguide parameter *V* to determine the difference in the index of refraction between the rat rod outer segment and the interstitial matrix (E), JOSA 68: 1130
- Variable refractive index and birefringent waveguides by sputtering tantalum in O<sub>2</sub>-N<sub>2</sub> mixtures (E), AO 14: 2194
- Vector wave analysis of broadband multimode optical fibers with optimum refractive index distribution (T), JOSA 68: 577
- Vibration-induced modulation of fiber guide transmission (A), JOSA 67: 707
- Visibility of interference fringes: effect of the optical guide length in coherent light (E), AO 16: 494
- Wave characteristics of bends in dielectric guides (A), JOSA 66: 290
- Waveguide CO<sub>2</sub> lasers for a space communications transceiver (A), JOSA 66: 383
- Waveguide H<sub>2</sub> Raman laser (E) (L), AO 15: 2005
- Waveguide lasers with intracavity electrooptic modulators: misalignment loss (T), AO 15: 1066
- Waveguides: characteristic modes of hollow rectangular dielectric waveguides (T), AO 15: 1334
- Waveguides: characteristic modes of hollow rectangular dielectric waveguides (T) (errata), AO 15: 2029
- Waveguides for delivering infrared laser power (A), JOSA 66: 381
- Waveguides for submillimeter-wave lasers (R), JOSA 67: 959
- Waveguiding properties of (Se,S)-based chalcogenide glass films and some applications to optical waveguide devices (E), AO 18: 393
- Wavelength multiplexing in multimode optical fibers (T), AO 16: 2180
- Wave propagation in semileaky-type anisotropic thin-film optical waveguides (T), JOSA 67: 539
- Way to make the index fall smoothly from the center outward (P), AO 14: A52
- Whispering and bouncing modes in elliptical optical fibers (T), JOSA 69: 1255
- World market trends in electrooptical equipment, AO 16: 2986
- XeF waveguide laser (E), OL 3: 221
- Zinc-diffused two-dimensional optical waveguides in n-type GaAs (ET), AO 15: 1394
- Zirconia induction furnace for drawing precision silica waveguides (A), JOSA 67: 706

## Wave mechanics

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- On the generation of elliptical and hyperbolic waves by a cylindrical lens (T) (L), JOSA 66: 277
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Whiteness: photometric specification and colorimetric evaluation (R), AO 15: 2039

## Windows

Absorption coefficients of highly transparent solids: photoacoustic theory for cylindrical configurations (T), AO 15: 1313

Analysis of window interferograms using MTF criteria (A), JOSA 69: 1419

Capillary array: a new type of window for the vacuum ultraviolet (E), AO 18: 2505

Damage mechanisms at 10.6  $\mu\text{m}$  in windows and reflectors (A), JOSA 66: 166

Diamond as a high-power-laser window (E), JOSA 64: 36

Diamond turning and polishing of infrared optical components (E) (L), AO 15: 27

Environmental effects on segmented windows (A), JOSA 65: 1175

Fundamental absorption edge in laser window CdTe (E), AO 14: 2662

High order wave plate correction of polariscopic effects in windows having infrared filtering (P), AO 13: 10A26

How window emission degrades the performance of airborne infrared imaging systems (A), JOSA 65: 1169

Infrared absorption in chemical laser window materials (E), AO 15: 1953

Infrared thermooptic coefficient measurement of polycrystalline ZnSe, KCl, CdTe, CaF<sub>2</sub>, and BaF<sub>2</sub>, single crystal KCl, and Ti-20 glass (E), AO 16: 436

Infrared transmitting Cd<sub>2</sub>SnO<sub>4</sub> (P), AO 14: A26

Large diameter NaCl windows for CO<sub>2</sub> lasers (A), JOSA 68: 1397

Laser Window and Mirror Materials. By G. C. Battle, Tom Connolly, and Anne M. Keese (B), Reviewed by Bennett, H. E., AO 17: 2126

Light-transmitting elements, polarizing windows (P), AO 13: 10A26

Low-temperature far-infrared windows (E) (L), AO 13: 2773

Mass absorption coefficients for polypropylene and Parylene C between 8.34  $\text{\AA}$  and 452  $\text{\AA}$  (E) (L), AO 13: 1744

Mass absorption coefficients of Parylene N at soft x-ray and vacuum-ultraviolet wavelengths (E) (L), JOSA 65: 1515

Measured spatial variations of transmittance and emissivity of infrared windows (A), JOSA 65: 1169

Metallurgical engineering considerations from the 100-kJ CO<sub>2</sub> laser (A), JOSA 67: 1378

Mirrors, windows, and coatings for high-power ultraviolet lasers (A), JOSA 68: 1393

Mixed fluorides for mid-IR laser windows (A), JOSA 67: 253

Moisture resistant optical films: their production and characterization (E), AO 14: 2631

Multiple docking adapter window for the S-190 experiment (TE), AO 13: 2629

Optical coatings for high energy ZnSe laser windows (ET), AO 13: 2075

Optical polishing and cleaning of press-forged (polycrystalline) CaF<sub>2</sub> and SrF<sub>2</sub> IR laser windows (E) (L), AO 18: 957

Optical suitability of window materials for CO<sub>2</sub> lasers (ET), AO 16: 1232

Optical viewing system for high pressure environments (P), AO 16: 2790

Optical window interferograms: a simple method for their evaluation (ET), AO 16: 2134

Photoacoustic measurements of surface and bulk absorption in HF/DF laser window materials (ET), AO 16: 2919

Potential of composites and coatings for reducing thermal distortion from laser windows (T) (L), AO 14: 277

Refractive properties of infrared laser window materials (A), JOSA 67: 254

Removal of fringes caused by window irregularities from holographic interferograms (A), JOSA 68: 1389

Residual absorption in HF and DF laser window materials from contamination by carbonaceous and other impurities (A), JOSA 67: 254

Residual absorption in infrared materials (A), JOSA 67: 253

Sand erosion effect on the 10.6- $\mu\text{m}$  optical absorption of coated ZnSe (E) (L), AO 15: 2039

Simple determination of workpiece-focal-point window tolerances in laser-material processing (A), JOSA 69: 1469

Simple determination of workpiece-focal-point window tolerances in laser-material processing (ET) (L), AO 18: 3205

Subsonic flow aerodynamic window for high-energy lasers (A), JOSA 64: 1359

Surface absorption in KCl and CaF<sub>2</sub> at 2.8  $\mu\text{m}$  and 3.8  $\mu\text{m}$  (E) (L), AO 18: 2534

Surface and bulk absorption in HF/DF laser window materials (A), JOSA 67: 253

System for protection from laser radiation (P), AO 15: 10

Temperature change of the refractive index of CVD ZnSe at 10.6  $\mu\text{m}$  (E) (L), AO 13: 1999

Tl 1-KCl-Tl 1 AR coatings for KCl windows (A), JOSA 68: 1418

Two-photon absorption coefficients in UV window and coating materials (E), AO 18: 1015

## Winds

Analytical description of a Fabry-Perot spectrometer. 4: Signal noise limitations in data retrieval; winds, temperature, and emission rate (T), AO 17: 2967

Analytical description of a Fabry-Perot spectrometer. 5: Optimization for minimum uncertainties in the determination of Doppler widths and shifts (T), AO 18: 3826

Atmospheric optics of infrared Doppler lidar wind measurements from space (A), JOSA 68: 1434

Considerations of a satellite-borne global wind sensing coherent lidar (A), JOSA 68: 1430

Effects of the earth's atmosphere on a spaceborne IR Doppler wind-sensing system (T), AO 18: 2645

Finite aperture optical scintillometer for profiling wind and  $C_n^2$  (ET), AO 17: 3774

Laser wind sensing: the effects of saturation of scintillation (TE), AO 15: 403

Microprocessor-controlled, 64-element pulsed optical receiver (A), JOSA 66: 382

Optical wind sensing by observing the scintillations of a random scene (TE), AO 14: 2844

Passive remote crosswind sensor (E) (L), AO 16: 2625

Remote Doppler velocity measurements of atmospheric dust devil vortices (E) (L), AO 15: 1

Remote measurement of the transverse wind velocity component using a laser Doppler velocimeter (ET), AO 18: 3010

Remote measurement of wind speed using a dual beam backscatter laser Doppler velocimeter (ET), AO 15: 1980

Remote probing using spatially filtered apertures (TE), JOSA 64: 1295

Remote sensing of crosswind profiles using the correlation slope method (T), JOSA 69: 1604

Remote sensing of winds with passive optical sources (A), JOSA 64: 1390

Single-particle correlated time-of-flight velocimeter for remote wind-speed measurement (E), OL 1: 175

Sunlight glitter on a wind-ruffled sea: further studies (T), AO 18: 842

Thermospheric dynamics investigations with very high resolution spectrometers (ET), AO 18: 3376

Time-of-flight laser anemometer for velocity measurements in the atmosphere (ET) (L), AO 17: 1486

Wind and refractive-turbulence sensing using crossed laser beams (TE), AO 13: 2602

Wind measurements from an orbital platform using a lidar system with incoherent detection: an analysis (T), AO 18: 2992

## Wood, Robert Williams

How to tell the birds from the flowers (N), AO 15: 1879

Rowland-Wood symposium: 100 years of physical optics, Johns Hopkins University, 20-21 Nov 1975 (M), Reported by Silverman, Shirleigh, AO 15: 592

Wood, Robert Williams, AO 15: 1741

## Xenon

Continued-factorization method for optical dispersion (T), JOSA 64: 1582

Determination of laser parameters from saturated-gain measurements for a partially homogeneously broadened gas-laser amplifier (T), JOSA 65: 29

Grotrian charts for atoms and ions of rare gases (ET) (L), JOSA 64: 396

Ionic assignment of xenon laser lines (E) (L), JOSA 66: 152

Near-threshold photoionization of xenon metastable atoms (E), JOSA 65: 628

New line classifications and energy levels in the triplet system of Xe VII (E) (L), JOSA 69: 1726

One-electron spectrum of Xe VIII (L), JOSA 69: 1620

Photoabsorption of the 4d electrons in xenon (E), JOSA 65: 634

Pressure shifts and broadenings in the arc spectrum of xenon (E), JOSA 66: 1014

Radiative lifetimes of some levels of Xe I and Xe II (E), JOSA 64: 1009

Radiative lifetimes of some levels of Xe I and Xe II (E) (L), JOSA 65: 218

Spectral enhancement of near UV xenon flashlamps (E), AO 14: 2645

Transition probabilities for the  $5p^46p-5p^46s$  array of Xe II (T), JOSA 66: 904

Wavelength and classification of the 6504 line of Xe I (E) (L), JOSA 65: 464

## X rays

Aberrations of a facet-type transmission grating for cosmic x-ray and XUV spectroscopy (T), AO 17: 2304

Achromatization of zone plates for x-ray microscopy (A), JOSA 69: 1485

Advances in radiography, SPSE annual Fall symposium, Washington, D.C., 24 Oct 1974 (M), Reported by Macovski, Albert, AO 14: 10

Advances in X-Ray Analysis, Volume 20: Proceedings of the Twenty-fifth Annual Conference on Applications of X-Ray Analysis, Denver, 4-6 August 1976. Edited by Howard F. McMurdie, Charles S. Barrett, John B. Newkirk, and Clayton O. Ruud (B), Reviewed by Abrahams, S. C., AO 17: 500

Aplanatic grazing incidence x-ray microscopes: design and performance (T), AO 15: 3094

Aplanatic mirror pairs (T) (L), AO 15: 2621

*A posteriori* focusing of out-of-focus planes in a tomogram (A), JOSA 66: 1110

Apparatus for x-ray crystallography (P), AO 15: 584

Assessment of surface roughness by x-ray scattering and differential interference contrast microscopy (ET), AO 18: 236

Channel electron multiplier: its quantum efficiency at soft x-ray and vacuum ultraviolet wavelengths (E) (L), AO 15: 861

Characterization of the imaging properties of x-ray focal spots using a random object array (A), JOSA 65: 1189

Characterization of the imaging properties of x-ray focal spots (E), AO 15: 3099

Coded aperture imaging with uniformly redundant arrays (ET), AO 17: 337

Coding and decoding of dilute and continuous-tone objects in incoherent light (ET), JOSA 65: 695

Collimation and focusing of x rays and extreme ultraviolet with bent glass strips (A), JOSA 66: 1136

Composite x-ray pinholes for time-resolved microphotography of laser compressed targets (E), AO 16: 1253

Compton, Arthur Holly, Scientific Papers of: X-Ray and Other Studies. 1. Edited by S. Shankland (B), Reviewed by Birks, L. S., AO 13: 2958

Computerized tomosynthesis, serioscopy, and coded-scan tomography (ET), AO 17: 175

Development of subpicosecond x-ray and visible streak camera (A), JOSA 66: 384

Diagnostics for laser fusion implosion experiments (A), JOSA 68: 547

Diffraction grating transmission efficiencies for XUV and soft x rays (E), AO 16: 1088

Diffraction x-ray focusing (N), AO 18: 2700

Direct recording and reconstruction of 3-D x-ray images (ET), AO 17: 3125

Direct recording and reconstruction of 3-D x-ray images: some experiments (ET), AO 18: 4039

Doppler-shifted reflections of x rays in beam foil spectroscopy (E) (L), AO 15: 1899

Doubly curved crystal point-focusing x-ray monochromators (A), JOSA 66: 1136

Doubly curved crystal point-focusing x-ray monochromators: geometrical and practical optics (TE), AO 16: 2081



Dynamical Scattering of X-Rays in Crystals. By Z. G. Pinsker (B), Reviewed by Brunel, L.-C., AO 17: 3854

Dynamic latent-image formation in xeroradiography (A), JOSA 65: 1189

Effect of diffraction in multiple-grid telescopes for x-ray astronomy (T), JOSA 68: 1708

Ellipsoid-hyperboloid x-ray imaging instrument for laser-pellet diagnostics (T), AO 14: 2096

Experimental attempts to confirm x-ray lasing from  $\text{CuSO}_4$  (E) (L), AO 13: 453

Fabrication of transmission gratings for use in cosmic x-ray and XUV astronomy (E), AO 18: 3502

Fast 3-D scanning systems using a limited tilting angle (T), AO 16: 1686

Feasibility of holography in the soft x-ray region (A), JOSA 69: 1415

Feedback control of exposure geometry in dental radiography workshop, University of Connecticut, 16 May 1978 (M), Reported by Gordon, Richard, AO 18: 1769

Focusing crystal polarimeter designed for x-ray polarimetry: construction and performance (E), AO 14: 1277

Half-tone screen techniques for photographic film response shaping with application to optical processing of medical x-ray images (TE), AO 18: 2294

High-resolution time-resolvable flash x-radiography system (A), JOSA 68: 547

Holographically formed gratings for x-ray spectroscopy (A), JOSA 65: 1214

Holographically formed grazing-incidence reflection grating with stigmatic soft x-ray focal isolation (E) (L), AO 13: 1258

Image reconstruction over a finite field of view (T), JOSA 65: 1342

Imaging extended objects with a Fresnel-zone-plate aperture (T), JOSA 64: 134

Imaging properties of Wolter I type x-ray telescopes (T), AO 16: 764

Incoherent optical computing for transaxial tomography (A), JOSA 66: 1110

Influence of surface roughness on the propagation of x rays through capillaries (T), AO 18: 897

Laser-produced x-ray spectra of the fluorine isoelectronic sequence for Zn, Ge, and Se (E), JOSA 67: 741

Laue Atlas. By Eduard Preuss, Bernhard Krahel-Urban, and Rainer Butz (B), Reviewed by Claus, Albert C., JOSA 65: 747

Limits and applications of imaging with soft x rays (A), JOSA 69: 1471

Liquid crystal image converter system responsive to ionizing radiation (P), AO 15: 2608

Liquid crystal imaging of radiograms (P), AO 15: 2609

Longitudinal tomography and imaging with a masked mirror (T) (L), JOSA 68: 1005

Mass absorption coefficients of Parylene N at soft x-ray and vacuum-ultraviolet wavelengths (E) (L), JOSA 65: 1515

Measurements on an x-ray light pipe at 5.9 and 14.4 keV (E) (L), JOSA 66: 1048

Method of x-ray diffraction topography of monocrystals and apparatus (P), AO 14: 1044

Microradiographs of laser fusion targets: 2-D modeling and analysis (ET), AO 18: 1266

Monochromatic soft-x-ray source for contact microradiography (A), JOSA 69: 1445

New continua for absorption spectroscopy from 40 to 2000 Å (E), OL 2: 72

New images of x-ray objects (N), AO 18: 1045

Noise characteristics of an intensified imaging system for x-ray cinematography (A), JOSA 69: 1426

Normal incidence soft-x-ray reflectors for arbitrary wavelengths using a modified Langmuir-Blodgett method (A), JOSA 69: 1434

Observation of parametric instabilities using picosecond spectroscopy and generation of anomalous high-energy picosecond x-ray pulse from laser-produced plasma (A), JOSA 68: 660

One-dimensional photon-counting detector array for use at EUV and soft x-ray wavelengths (E), AO 14: 1632

Optical constants from the far infrared to the x-ray region: Mg, Al, Cu, Ag, Au, Bi, C, and  $\text{Al}_2\text{O}_3$  (E) (L), JOSA 65: 742

Optical simulation of a technique for obtaining submicron resolution x-ray images in laser pellet compression experiments (ET) (L), AO 17: 1

Performance and problems of x-ray telescopes (A), JOSA 68: 1430

Phase zone plates for x rays and the extreme UV (T), JOSA 64: 301

Photofabricated blazed x-ray diffraction gratings (E) (L), AO 15: 2618

Photographic-film response shaping by half-tone screen for optical processing of medical x-ray images (A), JOSA 68: 1436

Primary aberrations for grazing incidence (T), AO 16: 2464

Properties of a transmission grating behind a grazing incidence telescope for cosmic x-ray spectroscopy (T), AO 16: 1425

Radiant energy imaging with rocking scanning (P), AO 13: 1977

Ray-tracing the convex curved crystal x-ray spectrograph (TE), AO 18: 374

Reconstruction of spherically symmetric objects from slit-imaged emission: application to spatially resolved spectroscopy (TE), OL 3: 54

Reconstruction of spherically symmetric objects from slit-imaged emission: limitations due to finite slit width (T), OL 4: 351

Reflectivity of gold coated surfaces in the soft x-ray range (ET), AO 17: 621

Scanning Kirkpatrick-Baez x-ray telescope to maximize effective area and eliminate spurious images; design (T), AO 14: 537

Selective material x-ray imaging using spatial frequency multiplexing (TE), AO 13: 2202

Simultaneous optical and x-ray imaging telescopes (T) (L), AO 16: 2039

Soft x-ray imaging with toroidal mirrors (E), AO 17: 601

Soft x-ray performance of shallow blazed diffraction gratings (A), JOSA 67: 1439

Solid State: X-ray Spectroscopy. By L. Jacob (B), Reviewed by Birks, L. S., JOSA 65: 969

Space telescope to beam x-rays photos, inside front cover (15 Jan) (N), AO 18: A12

Spatially dispersive transmission bands at small grazing angles of incidence (A), JOSA 65: 1167

Standard X-Ray Diffraction Powder Patterns, Section 11: Data for 70 Substances. Howard E. Swanson *et al.* (B) (N), AO 14: 1417

Stereo representation in real time (P), AO 18: A114

Stimulated emission from nuclei (T), AO 13: 2499

Sub-keV x-ray imaging using a low-cost ellipsoidal lens (E), AO 16: 94

Suppression of scattered radiation in radiography and improvement of resolution by spatially modulated intensity (T), AO 15: 648

S056 x-ray telescope experiment on the Skylab Apollo telescope mount (E), AO 16: 858

Transmission grating efficiencies for wavelengths between 5.4 Å and 44.8 Å (E), AO 18: 368

Transmission grating efficiencies in the 50-250-Å range (E) (L), AO 18: 2906

Two-dimensional monochromatic x-ray imaging of laser-produced plasmas (E), OL 4: 126

Ultraviolet and x-ray facilities available at Stanford (N), AO 13: 1394

Uniformly redundant array imaging of laser driven compressions: preliminary results (E) (L), AO 18: 945

Variation of energy throughput with off-axis angle for the S056 x-ray telescope (T) (L), AO 16: 806

Very-large-scale integrated (VLSI) device fabrication by x-ray lithography (A), JOSA 69: 1471

X-ray and far UV multilayer mirrors: principles and possibilities (T), AO 16: 89

X-ray applications of self-scanning silicon diode arrays (E), AO 16: 572

X-ray calibration of RAR 2490 film for application to laser plasma experiments (E), AO 16: 393

X-ray 3-D coded aperture imaging: displaying the heart (E), AO 15: 1913

X-ray efficiencies of blazed gratings in extreme off-plane mountings (E), AO 16: 2078

X-ray efficiencies of gratings (T) (L), AO 17: 843

X-ray gratings: the GMS mount (T), AO 18: 1780

X-ray microscopy of biological objects with carbon K $\alpha$  and with synchrotron radiation (A), JOSA 66: 78

X-ray microscopy with synchrotron radiation (E) (L), AO 15: 1883

X-Ray Optics: Applications to Solids. Edited by H. J. Queisser (B), Reviewed by Birks, L. S., AO 17: 2127

X-Ray Optics, Applications to Solids. Edited by H. J. Queisser (B), JOSA 68: 1457

X-ray shadowgraphing in laser-produced plasma experiments (E), OL 1: 76

X-Ray Spectroscopy. By B. K. Agarwal (B), Reviewed by Birks, L. S., AO 18: 3850

X-ray spectroscopy conference, Otaniemi, Finland, 29 Jul-1 Aug 1974 (N), AO 13: 408

X-ray telescope design (A), JOSA 66: 1096

## Ytterbium

Far-infrared transmittance of Tb, Ho, Tm, Er, and Yb orthoferite (E), JOSA 65: 605

Isotope shifts in the arc spectra of dysprosium, erbium, and ytterbium (ET), JOSA 66: 585

Resonance transition array of Yb IV (ET), JOSA 66: 439

Single-atom detection of ytterbium by selective laser excitation and field ionization from Rydberg states (E), OL 3: 159

Spectrum and energy levels of ten-times ionized yttrium (Y XI) (E), JOSA 69: 1285

## Yttrium

*Ab initio* and experimental energy levels in the first spectrum of yttrium (A), JOSA 68: 1447

Extended analysis and  $4s4p^6d$  configuration of Y IV (A), JOSA 66: 1068

Spectrum and energy levels of six-times ionized yttrium (Y VII) (A), JOSA 67: 1383

Spectrum of doubly ionized yttrium (Y III) (E), JOSA 65: 310

Spectrum of doubly ionized yttrium (Y III) (E) (errata), JOSA 66: 981

$4s^24p^4$ - $4s4p^5$  transitions in five-times-ionized yttrium (Y VI) (TE), JOSA 66: 35

## Zinc

Absorption spectra of Zn I and Cd I in the 1300-1750 region (E), JOSA 65: 1404

Ground-state term intervals in multiply ionized zinc (Zn V, Zn VI) and gallium (Ga V, Ga VI, Ga VII) (E), JOSA 64: 702

Laser-produced x-ray spectra of the fluorine isoelectronic sequence for Zn, Ge, and Se (E), JOSA 67: 741

Transitions of Zn XXII, Zn XXIII, Zn XXIV, Ge XXIV, and Ge XXV observed in laser-produced plasmas (ET) (L), JOSA 66: 376

Transitions of Zn XXII, Zn XXIII, Zn XXIV, Ge XXIV, and Ge XXV observed in laser-produced plasmas (errata), JOSA 66: 1141

## Zirconium

Evolution of optical thin films by sputtering (E), AO 13: 946

Spectrum and energy levels of eleven-times ionized zirconium (Zr XII) (E), JOSA 69: 1659

Spectrum and energy levels of four-times ionized zirconium (Zr v) (E), JOSA 69: 239

Spectrum of doubly ionized yttrium (Y III) (E), JOSA 65: 310

Spectrum of doubly ionized yttrium (Y III) (E) (errata), JOSA 66: 981

$4s^24p^4$ - $4s4p^5$  transitions in Zr VII, Nb VIII, and Mo IX (ET), JOSA 66: 896

## Zone plates

Aberrations of curved zone plates and Fresnel lenses (T), AO 16: 1701

Achromatization of zone plates for x-ray microscopy (A), JOSA 69: 1485

Coded aperture imaging (L), AO 13: 5

Decoding of a noncoherent hologram using noncoherent light (TE), JOSA 65: 1448

Frequency-modulated zone plate for coherent noise reduction (E), AO 18: 2394

Fresnel zone plate: a second-order approximation (T) (L), AO 14: 1055

Fresnel zone plate for optical image formation with short wavelength radiations (ET), AO 16: 1070

Fresnel-zone-plate imaging of a  $^{252}\text{Cf}$  fission source (A), JOSA 65: 1189

Fresnel zones calculation. part 2 (T), AO 15: 1210

Holographic grating scanners with aberration corrections (ET), AO 16: 1392

Holographic optics for a matched-filter optical processor (TE), AO 18: 631



- Image reconstruction of multiplane gamma-ray sources recorded with a Fresnel zone plate aperture (A), JOSA 66: 168
- Imaging extended objects with a Fresnel-zone-plate aperture (T), JOSA 64: 134
- Laser machining with modulated zone plates (ET), AO 13: 269
- Microscopy of laser fusion plasmas using Fresnel zone structures. I. Fresnel zone plate coded imaging. II. Efficient x-ray lensing elements (A), JOSA 68: 547
- Moire: formation and interpretation (ET), JOSA 64: 1287
- Near-field diffraction of bar targets, gratings, and Fresnel zone plates (A), JOSA 64: 528
- Operations on ultrashort pulses using "flat" lenses (T), JOSA 68: 28
- Optically produced linear zone plates (ET), AO 18: 3032
- Optical simulation of a technique for obtaining submicron resolution x-ray images in laser pellet compression experiments (ET) (L), AO 17: 1
- Phase zone plates for x rays and the extreme UV (T), JOSA 64: 301
- Quantum noise in Fresnel zone plate imaging (T), AO 13: 1100
- Spectral resolution of a zoneplate with circular sensor (T), AO 16: 582
- Unconventional zone-plate designs for pseudoholography (A), JOSA 68: 1437
- Varifocal moire zone plates for straightness measurement (TE), AO 16: 2445
- Zone plate interferometer (E), AO 13: 1093



# AUTHOR INDEX

- Aagard, R. L.**  
Design and fabrication of a blazed replica grating coupler for optical waveguides (E), OL 1: 67  
Optical constants of the constituents of manganese-bismuth films (E), JOSA 64: 1456  
Optimizing the beam shape in a focused coherent optical system method (TE), AO 13: 1633  
Thin-film lenses based on tantalum pentoxide (A), JOSA 65: 1222
- Aamodt, E. K.** See Mende, S. B., AO 16: 1691
- Aaronson, Steve M.** See Zachor, Alexander S., AO 18: 68
- Abate, Joseph.** See Lewis, Owen, JOSA 68: 542
- Abbas, M. M.**  
—; Ogilvie, K. W.; Kostiuk, Theodor: Infrared upconversion for astronomical applications (TE), AO 15: 961  
—; Mumma, M. J.; Kostiuk, Theodor; Buhl, David: Sensitivity limits of an infrared heterodyne spectrometer for astrophysical applications (T), AO 15: 427  
—; Mumma, M. J.; Kostiuk, Theodor; Buhl, David: Sensitivity limits of an infrared heterodyne spectrometer for astrophysical applications (errata), AO 16: 2793
- Abbott, Barton L.** See Walkup, John F., JOSA 64: 1401
- Abdel-Kharlik, S. I.** See Conn, R. W., JOSA 68: 545
- Abdelmalek, N. N.**  
—; Kasvand, T.: Image restoration by Gauss LU decomposition (E), AO 18: 1684
- Abdou, Wedad A.** See Hansen, Wilford N., JOSA 67: 1537
- Abe, Fumitaka.** See Matsuda, Tadashi, AO 17: 878
- Abe, Koichi**  
—; Kapron, Felix P.: Fiber profile reflectivity measurement with an oil immersion lens (A), JOSA 67: 1373
- Abeles, B.**  
—; Gittleman, J. I.: Composite material films: optical properties and applications (R), AO 15: 2328  
Optical properties of films of composite materials (A), JOSA 66: 163
- Abeles, F.**  
Infrared properties of thin films (A), JOSA 67: 252
- Abella, I. D.** See Baer, T., OL 3: 170
- Abitbol, Claude.** See Clair, J. J., JOSA 64: 544; Guy, Jean, AO 18: 1862
- Abjean, R.** See Bideau-Mehu, A., AO 15: 2626
- Ablowitz, M. J.**  
Inverse scattering transform (A), JOSA 68: 698
- Abouaf, L.** See Margevicius, J. A., JOSA 68: 705
- Abraham, George**  
Multistate optoelectronic analog and digital integrated circuits (A), JOSA 64: 543
- Abraham, N. B.** See Newitt, D. C., JOSA 69: 1414
- Abrahams, S. C.**  
Advances in X-Ray Analysis, Volume 20: Proceedings of the Twenty-fifth Annual Conference on Applications of X-Ray Analysis, Denver, 4-6 August 1976. Edited by Howard F. McMurdie, Charles S. Barrett, John B. Newkirk, and Clayton O. Ruud (B), AO 17: 500
- Abramov, Israel.** See Gordon, James, JOSA 67: 202  
—; Gordon, James: Color vision in the peripheral retina. I. Spectral sensitivity (E), JOSA 67: 195
- Abramowitz, Stanley**  
Laser Raman Gas Diagnostics. Edited by Marshall Lapp and C. M. Penney (B), AO 15: A16  
Vibrational Spectra and Structure. Volume 2. Edited by James R. Durig (B), AO 15: A16
- Abrams, Richard L.** See Lind, Richard C., JOSA 69: 372; Pepper, David M., OL 3: 212  
—; Asawa, C. K.; Plant, T. K.; Tangonan, G. L.: Applications of Stark cells to CO<sub>2</sub> laser communication (A), JOSA 66: 389  
—; Lind, Richard C.: Degenerate four-wave mixing in absorbing media (T), OL 2: 94  
—; Lind, Richard C.: Degenerate four-wave mixing in absorbing media (errata), OL 3: 205  
—; Chester, Arthur N.: Resonator theory for hollow waveguide lasers (T), AO 13: 2117
- Abramson, N.**  
Manipulation of holographic interference fringes (A), JOSA 67: 1433  
—; Bjelkhagen, Hans I.: Pulsed sandwich holography. 2: Practical application (ET), AO 17: 187
- Abramson, Nils**  
Holographic contouring by translation (TE), AO 15: 1018  
Light-in-flight recording by holography (TE), OL 3: 121  
Real-time holographic motion picture camera capable of recording front surface detail from a random velocity vector: comments (T) (L), AO 13: 2473  
Sandwich hologram interferometry (A), JOSA 64: 552  
Sandwich hologram interferometry: a new dimension in holographic comparison (ET), AO 13: 2019  
Sandwich hologram interferometry. 2: Some practical calculations (TE), AO 14: 981  
Sandwich hologram interferometry. 3: Contouring (TE), AO 15: 200  
Sandwich hologram interferometry. 4: Holographic studies of two milling machines (E), AO 16: 2521  
—; Bjelkhagen, Hans I.: Sandwich hologram interferometry. 5: Measurement of in-plane displacement and compensation for rigid body motion (ET), AO 18: 2870  
—; Skande, Per; Bjelkhagen, Hans I.: Sandwich holography for storing information interferometrically with a high degree of security (E), AO 18: 2017
- Abreu, Vincent J.** See Shetter, Martin T., AO 18: 1132  
—; Hays, P. B.: Influence of atmospheric absorption on satellite auroral observations (T), AO 18: 3324  
Wind measurements from an orbital platform using a lidar system with incoherent detection: an analysis (T), AO 18: 2992
- Abshire, James B.**  
Multiwavelength laser ranging system for measuring atmospheric propagation delay (A), JOSA 69: 1412
- Abuel-Haija, A. J.**  
—; McMarr, P. J.; Madjid, A. H.: Computation of the optical properties of nonideal multilayer structures (T), AO 18: 3123
- Abushagur, Mustafa A. G.**  
—; George, Nicholas: Fringe spacing of the scattered intensity from cylinders (A), JOSA 69: 1451
- Achatz, Manfred.** See Tuerke, Bernhard, AO 17: 2754
- Achutaramayya, G.** See Dalgoutte, David G., JOSA 64: 1366, AO 14: 1860
- Ackenhusen, John G.**  
Microlenses to improve LED-to-fiber optical coupling and alignment tolerance (ET), AO 18: 3694
- Ackerhalt, J. R.** See Galbraith, Harold W., OL 3: 109, OL 3: 152; Loree, T. R., JOSA 68: 677
- Ackerman, M.** See Girard, Andre, JOSA 64: 256
- Ackley, D. E.**  
—; Tauc, Jan: Silicon films as selective absorbers for solar energy conversion (A), JOSA 67: 251  
—; Tauc, Jan: Silicon films as selective absorbers for solar energy conversion (E), AO 16: 2806
- Acquista, Charles**  
Light scattering by tenuous particles: a generalization of the Rayleigh-Gans-Rocard approach (T), AO 15: 2932  
Scattering by tenuous aerosols (A), JOSA 67: 257  
Validity of modifying Mie theory to describe scattering by nonspherical particles (T) (L), AO 17: 3851
- Acquista, Nicolo.** See Reader, Joseph, JOSA 67: 1383, JOSA 68: 1446, JOSA 66: 896, JOSA 69: 144, JOSA 69: 239, JOSA 69: 1285, JOSA 69: 1659
- Acton, John D.** See Herbert, Thomas J., AO 18: 588
- Acton, L. W.** See Seidl, P., AO 16: 578
- Adachi, Akihiro.** See Kato, Isamu, JOSA 68: 1008
- Adachi, J.** See Chiang, Fu-Pen, JOSA 66: 183
- Adamowicz, Robert F.**  
—; Koo, Kee P.: Photoacoustic air pollution detector at CO<sub>2</sub> laser frequencies (ET), AO 18: 2938
- Adams, B. E.** See Huber, D. R., AO 18: 1249
- Adams, Charles N.**  
Multiple-scattering effects of twilight color in real earth atmospheric models (A), JOSA 64: 1390
- Adams, David M.**  
—; Sharma, Shiv K.; Appleby, R.: Spectroscopy at very high pressures. 14: Laser Raman scattering in ultrasmall samples in a diamond anvil cell (E), AO 16: 2572  
—; Sharma, Shiv K.: Spectroscopy at very high pressures. 23: Mid IR ultramicrospectroscopy with a gasketed diamond anvil cell (E) (L), AO 18: 594
- Adams, Frank D.**  
—; Maddux, Gene E.: Synthesis of holography and speckle photography to measure 3-D displacements (E) (L), AO 13: 219
- Adams, J. R.**  
—; Bashara, N. M.: In process ellipsometer azimuth angle calibration (TE), AO 15: 3179
- Adams, James E.**  
Advances in Liquid Crystals, Volume I. Edited by Glenn H. Brown (B), JOSA 66: 869  
Advances in Liquid Crystals, Volume 2. Edited by Glenn H. Brown (B), JOSA 67: 1288
- Adams, M. C.**  
—; Bradley, D. J.; Salour, M. M.; Sibbett, W.: Measurement of picosecond fluorescence by a streak-camera operating at a repetition rate of 140 MHz (A), JOSA 68: 665
- Adams, M. J.** See Sladen, F. M. E., JOSA 67: 707; Winstanley, J. V., AO 14: 2151
- Adams, M. S.** See Ankiewicz, A., OL 4: 414
- Adams, Richard R.** See Deepak, Adarsh, JOSA 67: 1370, AO 17: 1977, AO 18: 131
- Ade, Peter A. R.** See Daehler, Mark, JOSA 65: 124
- Adelman, N. T.**  
Spherical mirror with piezoelectrically controlled curvature (T) (L), AO 16: 3075
- Adelman, Stephen**  
—; Weindling, Frederik; Lowrey, Dane O.: Autonomous rendezvous and docking in synchronous orbit with a 10.6  $\mu$ m lidar (A), JOSA 66: 380
- Adelson, Edward H.**  
Decay of red signals following bright flashes (A), JOSA 67: 1427  
Mathematics of afterimage discrimination (A), JOSA 69: 1432
- Ades, Selim**  
—; Champness, C. H.: Optical activity of tellurium to 20  $\mu$ m (E) (L), JOSA 65: 217
- Adkins, John.** See Brussell, Edward M., JOSA 67: 1354
- Adrian, Ronald J.**  
—; Orloff, Kenneth L.: Laser anemometer signals: visibility characteristics and application to particle sizing (TE), AO 16: 677  
—; Orloff, Kenneth L.: Laser anemometer signals: visibility characteristics and application to particle sizing (errata), AO 16: 2358
- Aebischer, Nicole**  
—; Carquille, Bernard: White light holographic portraits (still or animated) (E) (L), AO 17: 3698
- Aeschliman, D. P.** See Mulac, A. J., AO 17: 5667  
—; Cummings, J. C.: Application of Raman spectroscopy to the study of a hydrogen laminar diffusion flame in air (A), JOSA 67: 1397
- Afsar, M. N.**  
—; Hasted, J. B.: Measurements of the optical constants of liquid H<sub>2</sub>O and D<sub>2</sub>O between 6 and 450 cm<sup>-1</sup> (E), JOSA 67: 902



- Agar, Karl H.** See Coleman, Howard S., JOSA 64: 1359
- Agarwal, G. S.** See Narducci, Lorenzo M., JOSA 66: 1076; JOSA 67: 1367, OL 2: 88
- Coherence matrices of light beams at dielectric interfaces and Goos-Haenchen effect (T), JOSA 65: 1475
- Agarwala, B. K.** See Chander, Mahesh, AO 15: 2964
- Agno, Harris Y.**  
Absorption coefficients of jet fuels for CO and CO<sub>2</sub> laser transitions (A), JOSA 68: 1403
- Aggarwal, A. K.** See Gupta, P. C., AO 15: 2961, AO 16: 1474, AO 16: 1802
- ; Gupta, P. C.; Mullick, S. K.; Subramanian, R.: Simulation of synthetic aperture radar data film using holographic techniques (ET) (L), AO 17: 987
- Aggarwal, R. L.** See Lax, Benjamin, JOSA 64: 533; Lee, N., JOSA 67: 255, AO 16: 2620; Weiler, M. H., JOSA 67: 255
- Agmon, E.** See Bruck, A., AO 16: 564
- Agmon, P.** See Shellan, Jeffrey B., JOSA 68: 18
- ; Livanos, Alexander C.; Katzir, A.; Yariv, Amnon: Simultaneous exposure and development of photoresist materials: an analytical model (TE) (L), AO 16: 2612
- Agostinelli, John A.** See Stavola, Michael, AO 18: 4101
- ; Harvey, G.; Stone, T.; Gabel, C. W.: Optical pulse shaping with a grating pair (ET), AO 18: 2500
- ; Mourou, G.; Gabel, C. W.: Picosecond active pulse shaping (A), JOSA 69: 1484
- ; Harvey, G.; Stone, T.; Gabel, C. W.: Temporal shaping of picosecond optical pulses using a diffraction grating pair (A), JOSA 68: 1435
- Agrawal, G. P.** See Lax, M., JOSA 68: 1644, OL 4: 303; Louisell, William H., AO 18: 2730
- ; Lax, M.: Effects of interference on gain saturation in laser resonators (T) (L), JOSA 69: 1717
- ; Pattanayak, D. N.: Gaussian beam propagation beyond the paraxial approximation (T), JOSA 69: 575
- Phase determination by conjugate wave-front generation (T) (L), JOSA 68: 1135
- Agrawal, Y. C.** See Hadeishi, T., JOSA 68: 1402
- A'Hearn, Michael F.**  
—; Ahern, Francis J.; Zipoy, David M.: Polarization, Fourier spectrometer for astronomy (E), AO 13: 1147
- Study of comets, IAU colloquium 25, NASA Goddard Space Flight Center, 28 Oct-1 Nov 1974 (M), AO 14: 256
- Ahern, Francis J.** See A'Hearn, Michael F., AO 13: 1147
- ; Pritchett, Chris: Ratio method of Fourier spectrometry: an improvement (TE), AO 13: 2240
- Ahlquist, N. C.** See Waggoner, A. P., JOSA 67: 258
- Ahlstrom, Harlow G.** See Manes, Kenneth R., JOSA 68: 1646; JOSA 67: 717
- Diagnosis of Shiva-Nova-produced high yield thermonuclear events (A), JOSA 68: 548
- ; Coleman, Lamar W.; Rienecker, F., Jr.; Slivinsky, V. W.: Diagnostics of Shiva Nova high-yield thermonuclear events (E), JOSA 68: 1731
- Ahmad, S. F.**  
—; Gammon, P. H.; Clouter, M. J.; Kieffe, H.: Brillouin scattering in single crystals of cyclohexane and CO (A), JOSA 67: 1409
- Ahmed, Mahfuz**  
—; Korpel, Adrianus: Optical techniques for real-time analysis of the stability of video disks (A), JOSA 64: 1393
- Ahrenkiel, R. K.** See Jacobs, S. D., AO 13: 2313
- ; Phipps, Claude R., Jr.; Thomas, Scott J.: Magneto-optical switch for synchronization of CO<sub>2</sub> and red laser beams (A), JOSA 68: 1389
- Aiken, Steve.** See Hanlon, Jack, AO 13: 2461
- Aikens, Richard S.** See Hall, Donald N. B., AO 14: 450
- Aiki, K.** See Kuroda, T., AO 17: 3264
- Aikin, Arthur C.** See McIlrath, Thomas J., AO 18: 316
- American Meteorological Society conference on the upper atmosphere, Atlanta, 30 Sep-4 Oct 1974 (M), AO 14: 259
- Aime, Claude.** See Martin, F., JOSA 68: 1781, JOSA 69: 1315
- ; Ricort, G.; Roddier, C.; Lago, G.: Changes in the atmospheric-lens modulation transfer function used for calibration in solar speckle interferometry (TE), JOSA 68: 1063
- Measurement of averaged squared modulus of atmospheric-lens modulation transfer function (ET), JOSA 64: 1129
- Aitken, G. J. M.**  
—; Kidd, A. M.: Optical image-forming system for T-type correlation antennas (TE), AO 17: 3884
- Optoelectronics: Theory and Practice. Edited by A. Chappell (B), AO 17: 3853
- ; Desaulniers, D. L.: Reconstruction of turbulence-degraded images by spectral ratio measurements (T) (L), JOSA 67: 843
- Ajmera, P. K.**  
—; Hauser, J. R.: Ion implanted photodiode detectors in epitaxial (Ga<sub>1-x</sub>In<sub>x</sub>)As (E), AO 14: 2905
- Akamatsu, Takeshi**  
—; Okamura, Koji; Ueda, Yoichi: Fabrication of long-length fibers by improved CVD method (A), JOSA 67: 706
- Akcasu, Ziya.** See May, Randall S., AO 13: 2589
- Akerman, Alexander, III.** See Hammill, Harry B., JOSA 65: 1193
- ; Kinzly, Robert E.: Registration of visual detection models with search data (A), JOSA 66: 1079
- ; Kinzly, Robert E.: Three generations of Koopman's lobe equation (A), JOSA 67: 1426
- Akerman, M. A.** See Wampler, F. B., OL 4: 143
- Akhmanov, S. A.**  
—; Chikkin, A. S.; Stratonovich, R. L.: Formation of the temporal and spatial coherence of laser radiation near threshold: excitation of laser action as a phase transition (A), JOSA 68: 698
- ; Koroteev, N. I.: Four-photon polarization spectroscopy: application to the study of motionally narrowed Raman lines and two-photon absorption processes in liquids (A), JOSA 68: 667
- Akimoto, Yoshiaki.** See Ohi, Misao, JOSA 68: 1403; Ohtsu, Motoichi, JOSA 69: 1458
- Akimura, T.** See Inagaki, Takefumi, AO 13: 819
- Akins, Robert P.**  
—; Lee, Sing H.: Incorporating gain into a coherent optical feedback system (A), JOSA 68: 1361
- Akkapeddi, Prasad R.**  
—; Mumola, Peter B.: Relationship of the fundamental mode phase of unstable resonators to intracavity aberrations (A), JOSA 68: 1435
- Aksenov, V. P.**  
—; Mironov, V. L.: Phase approximation of the Huygens-Kirchoff method in problems of reflections of optical waves in the turbulent atmosphere (T), JOSA 69: 1609
- ; Gochelashvily, K. S.; Shishov, V. I.: Spatial spikes of laser irradiance propagating over large distances in a turbulent medium (T), AO 15: 1172
- ; Mironov, V. L.: Spectral expansion method in problems of laser-beam propagation in the turbulent atmosphere (T), OL 3: 184
- Akulina, V. M.**  
—; Alimpiev, S. S.; Karlov, N. V.; Prokhorov, A. M.; Sartakov, B. G.; Khoklov, E. M.: Nature of collisionless dissociation of polyatomic molecules (A), JOSA 68: 694
- Akylas, Victor**  
—; Kaur, Jasit; Knasel, T. M.: Longitudinal shift of a microwave beam at total internal reflection (E) (L), AO 13: 742
- Alard, F.** See Zaganianis, Alcibiades, JOSA 67: 707
- Albanese, A.**  
Automatic bias control (ABC) for injection lasers (A), JOSA 67: 708
- ; Arnaud, Jacques A.: Birefringent coupler for integrated optics: comment 2 (T) (L), AO 15: 2029
- Electrostatic fiber holder (L), AO 16: 1464
- ; Maggi, L.: New fiber breaking tool (E) (L), AO 16: 2604
- Albarino, R. V.** See Hart, A. C., Jr., JOSA 67: 706; Kurkjian, C. R., JOSA 67: 706
- Alben, James O.**  
—; Bare, George H.: Fourier transform infrared spectroscopic study of molecular interactions in hemoglobin (E), AO 17: 2985
- Alcock, A. J.** See Corkum, P. B., JOSA 67: 1404
- ; Leopold, K. E.; Sarjeant, W. J.; Taylor, R. S.: Multi-atmosphere self-sustained discharge rare gas halide lasers (A), JOSA 68: 717
- Aldridge, Jack P.** See Flicker, Herbert, AO 17: 851; Griggs, J. E., JOSA 66: 390
- Aleksoff, C. C.** See Tai, Anthony M., AO 18: 2812; VanVoorhies, K. L., AO 16: 2441
- ; Guenther, B. D.: Cross-correlation discrimination for optical cavity modes (ET), AO 15: 206
- ; Christensen, Charles R.: Holographic Doppler imaging of rotating objects (TE), AO 14: 134
- ; Christensen, Charles R.: Holographic superresolution of rotating objects (A), JOSA 64: 551
- Interferometric two-dimensional imaging of rotating objects (TE), OL 1: 54
- ; Guenther, B. D.: Matched-filter Fabry-Perot interferometer (A), JOSA 64: 1382
- Synthetic aperture imaging of rotating objects (A), JOSA 67: 1433
- Synthetic interferometric imaging (A), JOSA 66: 1089
- Synthetic interferometric imaging technique for moving objects (TE), AO 15: 1923
- Alexander, Edward M.**  
Infrared technique for observation of supercooling (A), JOSA 67: 252
- Alexander, R. W.** See Begley, D. L., AO 16: 1549; Bell, Robert J., JOSA 65: 1180, AO 14: 1579; Ward, C. A., JOSA 65: 1195, AO 13: 2378
- Alexopoulos, Nikolaos G.** See Brockman, C. L., Jr., AO 16: 166; Solomin, A. Z., AO 18: 2062; Uzunoglu, Nikolaos K., JOSA 68: 194
- ; Kerner, Stephen R.: Coupled power theorem and orthogonality relations for optical disk waveguides (T), JOSA 67: 1634
- ; Uzunoglu, Nikolaos K.: Electromagnetic scattering from active objects: invisible scatterers (T), AO 17: 235
- Alfano, Robert R.** See Bates, Harry E., AO 18: 947; Ho, P. P., JOSA 68: 678
- Alferness, Rod C.** See Chang, Byung Jin, AO 14: 1592; Leith, Emmett N., JOSA 64: 558
- Analysis of propagation at the second-order Bragg angle of a thick holographic grating (T), JOSA 66: 353
- ; Schmidt, R. V.; Turner, E. H.: Characteristics of Ti-diffused lithium niobate optical directional couplers (ET), AO 18: 4012
- ; Schmidt, R. V.: Chirped reflection gratings for wideband optical waveguide filters (A), JOSA 67: 1392
- ; Case, Steven K.: Coupling in doubly exposed, thick holographic gratings (ET), JOSA 65: 730
- ; Case, Steven K.: Coupling in doubly exposed, thick holographic gratings (ET) (errata), JOSA 66: 79
- Diffraction efficiency of the first and second orders of a thick holographic grating at the second-order Bragg angle (A), JOSA 65: 1219
- Efficient waveguide electro-optical TE = TM mode converter/wavelength filter (A), JOSA 69: 1482
- Optical directional couplers with tapered coupling strength (A), JOSA 68: 1360
- Self-induced irradiance fluctuations of a laser beam in an absorbing, turbulent medium (T), JOSA 64: 1645
- Alferov, Zh. I.**  
—; Gurevich, S. A.; Kuchinsky, V. I.; Mizerov, M. N.; Portnoy, E. L.; Reich, M. E.; Ioffe, A. F.: Investigations of GaAs/GaAlAs waveguide lasers with second-order distributed feedback (A), JOSA 66: 288
- Alger, Terry W.**  
Polydisperse-particle-size-distribution function determined from intensity profile of angularly scattered light (T), AO 18: 3494
- Ali, A. W.** See Eden, J. Gary, JOSA 68: 1646
- Ali, M. A.**  
Visual strategies in epipelagic and demersal fishes (A), JOSA 67: 1388
- Aliev, M. R.**  
High resolution infrared spectroscopy, fourth international seminar, Liblice, 6-10 Sep 1976 (M), AO 16: 787
- Alimpiev, S. S.** See Akulina, V. M., JOSA 68: 694
- Alippi, A.**  
—; Palma, A.; Palmieri, L.; Socino, G.: Acoustooptic interaction for most effective deflection of unguided light via acoustic surface waves (ET), AO 15: 2400
- ; Palma, A.; Palmieri, L.; Socino, G.: Polarization states of light diffracted by acoustic surface waves (ET), AO 15: 811
- Alkezwenny, A. J.**  
—; Laulainen, N. S.: Airborne measurements of particle size distribution light scattering, and turbidity at different altitudes (A), JOSA 67: 256



- Allain, J. Y.**  
High energy pulsed dye lasers for atmospheric sounding (E), AO 18: 287
- Allario, Frank.** See Bair, Clayton H., AO 16: 97;  
Brockman, Philip, AO 17: 91
- ; Seals, R. K., Jr.: Measurements of  $\text{NH}_3$  absorption coefficients with a  $^{13}\text{C}^{16}\text{O}_2$  laser (ET), AO 14: 2229
- Allebach, J. P.**  
Aliasing and quantization in the efficient display of images (A), JOSA 67: 1416  
Aliasing and quantization in the efficient display of images (TE), JOSA 69: 869
- ; Liu, B.; Gallagher, Neal C., Jr.: Aliasing error in digital holography (TE), AO 15: 2183
- ; Liu, B.: Analysis of halftone dot profile and aliasing in the discrete binary representation of images (T), JOSA 67: 1147
- Binary display of images when spotsize exceeds stepsize (A), JOSA 69: 1442
- ; Stradling, R. N.: Computer-aided design of dither signals for discrete binary representation of images (A), JOSA 68: 1376
- ; Stradling, R. N.: Computer-aided design of dither signals for binary display of images (ET), AO 18: 2708
- ; Keegan, J. J.: Computer synthesis of binary Fourier transform holograms using ordered dither (A), JOSA 68: 1440
- ; Liu, B.: Halftone dot profile and aliasing in the discrete binary representation of images (A), JOSA 66: 1131
- ; Liu, B.: Minimax spectrum shaping with a bandwidth constraint (ET), AO 14: 3062
- ; Liu, B.: Random quasiperiodic halftone process (TE), JOSA 66: 909
- Alleman, Glen Byron.** See Gamio, Hideya, JOSA 64: 1390
- Allen, E. A.**  
—; Thompson, K. T.; Veas, F.; Scott, G. David: Light scattering from aggregated silver and gold films (E), JOSA 64: 1190
- Allen, E. V.** See Hildebrand, B. P., JOSA 67: 1435, AO 13: 177
- Allen, Eugene**  
Basic equations used in computer color matching. II. Tristimulus match, two-constant theory (T), JOSA 64: 991  
Expansion of the Mie phase function in Legendre polynomials (T) (L), AO 13: 2752  
Luminescence Spectrometry in Analytical Chemistry. By James D. Wineforder, Stephen G. Schulman, and Thomas C. O'Haver (B), JOSA 65: 1528  
Simplified phase functions for colorant characterization (T), JOSA 65: 839
- Allen, G. A.** See Simmons, W. W., JOSA 66: 388
- Allen, Harry C., Jr.**  
Vibrational Spectra and Structure, Volume 3. Edited by James R. Durig (B), AO 16: 7
- Allen, John E., Jr.**  
—; Anderson, William R.; Crosley, David R.: Optoacoustic pulses in a flame (E), OL 1: 118
- Allen, L.** See Byrne, J., AO 13: 2499
- ; Huang, C.-Y.; Mandel, Leonard: Effect of cavity length on the optical field of a laser (A), JOSA 67: 1391
- ; Kravis, S. P.; Plaskett, J. S.: Spatial and frequency distributions of the intensity of pulsed amplified spontaneous emission (TE), JOSA 69: 167
- Allen, R. E.** See Bartoli, F. J., JOSA 67: 254, AO 14: 2499, AO 15: 2016, AO 16: 2934, AO 18: 3365
- Allen, R. J.**  
—; Platt, C. M. R.: Lidar for multiple backscattering and depolarization observations (ET), AO 16: 3193
- Allen, R. R.**  
—; Craig, S.; Hawkins, T. D. F.: Atmospheric transmission measurements in the U.K. at 0.63, 1.07, and 10.6  $\mu\text{m}$  (A), JOSA 68: 541
- Allen, Susan D.** See Cheng, J. C., AO 15: 1960;  
Garmire, E., OL 3: 69; Marburger, J. H., JOSA 68: 642  
Applications for laser chemical vapor deposition (A), JOSA 69: 1461
- ; Rudisill, J. Earl: Bulk and surface calorimetric measurements at CO wavelengths (A), JOSA 67: 253
- ; Rudisill, J. Earl: Bulk and surface calorimetric measurements at CO wavelengths (E), AO 16: 2914
- ; Harrington, James A.: Optical absorption in KCl and NaCl at infrared laser wavelength (E) (L), AO 17: 1679
- ; Garmire, E.; Marburger, J. H.; Winful, H. G.: Transient effects in bistable optical devices (A), JOSA 68: 1360
- Allen, T. H.** See Carniglia, Charles K., JOSA 69: 1446
- Allen, W. A.** See Gausman, H. W., AO 13: 109
- Alman, David H.**  
Canadian Society for Color, 4th annual meeting, Ottawa, 11-14 May 1976 (M), AO 15: 1884
- Almeida, Silverio P.** See Case, Steven K., JOSA 67: 1382; Deka, Mitrajyoti, JOSA 69: 1423;  
Fournier, J. M., JOSA 67: 1382; Fujii, Hitoshi, JOSA 69: 1451, AO 18: 1659
- ; Fujii, Hitoshi: Fourier transform analysis of algae (A), JOSA 68: 1415
- ; Fujii, Hitoshi: Fourier transform differences and averaged similarities in diatoms (E), AO 18: 1663
- ; Case, Steven K.; Dallas, W. J.: Multispectral size-averaged incoherent spatial filtering (ET), AO 18: 4025
- ; Smith, F. Harvey: Optical spatial filtering and water-pollution monitoring (A), JOSA 64: 544
- ; Eu, James Kim-Tzong: Rotating wedge spatial filter (E) (L), AO 17: 163
- ; Eu, James Kim-Tzong: Water pollution monitoring using matched spatial filters (E), AO 15: 510
- Almquist, Thomas.** See Lewis, Owen, JOSA 68: 542
- Alpern, Mathew.** See Young, Rockefeller S. L., JOSA 66: 1103
- Alpert, Pinhas.** See Cohen, Ariel, AO 18: 2728
- Alphonse, Gerard A.**  
Broadband acoustooptic deflectors: new results (ET), AO 14: 201  
Holographic storage in electro-optic and ferroelectric materials (A), JOSA 64: 1389
- Alqazzaz, Luay**  
—; Rogers, Gordon L.: Coding and decoding of dilute and continuous-tone objects in incoherent light (ET), JOSA 65: 695
- Altman, D. E.**  
—; Taylor, Henry F.: Eight-terminal bidirectional fiber optic data bus employing T couplers (A), JOSA 66: 390
- Altschuler, B. R.** See Taboada, J., AO 15: 597
- Alvarez, E.**  
—; Arnesen, A.; Bengtson, A.; Hallin, R.; Mayige, C.; Nordling, C.; Noreland, T.; Staaf, O.: Hyperfine structure of the  $5p^5\ ^2P_{3/2}\ 5d[7/2]_4\ ^2P_{3/2}\ 5d[3/2]_2$ , and  $^2F_{3/2}\ 6p[5/2]_3$  levels in Cs II measured with beam-laser technique (E), OL 4: 268
- Alvarez, J. M.** See Bernabeu, E., JOSA 67: 24
- Alvarez, Robert E.** See Macovski, Albert, AO 13: 2202
- ; Stonestrom, J. P.; Macovski, Albert: Nonlinearities in projection reconstruction (A), JOSA 66: 1130
- Amadesi, S.**  
—; Gori, F.; Grella, R.; Guattari, G.: Holographic methods for painting diagnostics (E), AO 13: 2009
- Amat, G.** See Lado-Bordowsky, O., AO 18: 3400
- Ambartsumian, R. V.**  
—; Furzikov, N. P.; Gorokhov, Yu. A.; Makarov, G. N.; Puzetky, A. A.; Letokhov, Vladimir S.: Isotope-selective dissociation of the  $\text{OsO}_4$  molecule by two pulses of infrared radiation at different frequencies (E), OL 1: 22
- ; Markarov, G. N.; Puzetky, A. A.: Multiphoton absorption of  $\text{OsO}_4$  under two- $\text{CO}_2$ -laser pulse excitation (E), OL 3: 103
- ; Letokhov, Vladilen S.; Makarov, G. N.; Puzetky, A. A.: Multiple-photon dissociation of molecules by two IR pulses and separation of heavy isotopes (A), JOSA 68: 686  
Selective photochemistry in an intense infrared laser field (A), JOSA 65: 1173
- Ambuel, Jack.** See Collins, Stuart A., Jr., JOSA 67: 1383
- ; Collins, Stuart A., Jr.: Precise stable settings of Hughes liquid-crystal light valve (A), JOSA 69: 1484
- Ameen, Syed**  
Brewster angle optical Dewar: construction of an inexpensive model for cryogenic or simple liquids for laser Raman scattering experiments (E) (L), AO 14: 2056
- Amer, Nabil M.** See Yasa, Zafer, AO 18: 2528
- Amirtharaj P. M.**  
—; Bean, Brent L.; Perkowitz, S.: Far-infrared studies in epitaxial films of III-V and IV-VI semiconductors (E), JOSA 67: 939
- Amme, R. C.** See Schmidt, S. C., AO 13: 1202
- Amon, Max.** See Rosin, Seymour, AO 13: 741
- Anacreon, Robert E.**  
—; Ohnishi, Yasushi: Double beam fluorescence spectrophotometer: design and typical applications (E), AO 14: 2921
- Anand Rao, B. G.** See Desai, J. N., AO 18: 420
- Anastasi, R.** See Chiang, Fu-Pen, JOSA 66: 183
- Anastassakis, E.** See Greenwald, R., JOSA 65: 446  
Performing optical measurements in solids under variable uniaxial stress and temperature: a system (E), AO 13: 1971  
Relation between piezo-optical and thermo-optical properties of crystals (T), JOSA 64: 944
- Anctil, Michel**  
Visual strategies of deep-sea fishes (A), JOSA 67: 1388
- Andeen, Carl.** See Fontanella, John, JOSA 67: 255, AO 16: 2949
- Andelin, John P., Jr.** See Title, Alan M., AO 13: 2675
- Anderegg, M.** See Baluteau, J. P., AO 16: 1834
- Andermann, G.** See Kachare, A., JOSA 64: 1450
- Anders, G.**  
—; Ganz, Ernst: Metameric white samples for testing the relative UV content of light sources and of natural daylight (E), AO 18: 1067
- Andersen, H.** See Lading, L., AO 17: 1486
- Andersen, N.**  
—; Jensen, K.; Jepsen, J.; Melskens, J.; Vøje, E.: Quantum efficiency and instrumental polarization of an optical monochromator (R), AO 13: 1965
- Andersen, T.**  
—; Jorgensen, S. Worre; Sorensen, G.: Radiative lifetimes in As I and Sb I (E) (L), JOSA 64: 891
- Anderson, A. P.** See Armstrong, P. R., AO 14: 2337
- Anderson, D. B.** See Boyd, J. T., AO 14: 2199;  
Yao, S. K., AO 18: 4067
- ; August, R. R.; Coker, J. E.: Distributed-feedback double-heterostructure GaAs injection laser with fundamental grating (E) (L), AO 13: 2742
- Anderson, D. E., Jr.** See Meier, R. R., AO 17: 3216
- ; Meier, R. R.: Effects of anisotropic multiple scattering on solar radiation in the troposphere and stratosphere (T), AO 18: 1955
- Anderson, D. K.** See Scully, Marlan O., JOSA 66: 1098
- Anderson, Dana Z.**  
—; Chow, Weng W.; Sanders, Virgil E.; Scully, Marlan O.: Multioscillator approach to the problem of locking in two-mode ring-laser gyros. Part II (TE) (L), AO 18: 941
- Anderson, David H.** See Carlon, Hugh R., AO 16: 1598
- Anderson, David K.** See Seitel, Steven C., JOSA 64: 884
- Anderson, David S.** See Parks, Robert E., JOSA 69: 1407
- Anderson, Douglas W.**  
Control of fifth-order aberrations in modular optical design (T), JOSA 69: 321
- Anderson, Edward E.**  
—; Stevenson, Warren H.; Viskanta, Raymond: Estimating the refractive error in optical measurements of transport phenomena (T), AO 14: 185
- Anderson, F.** See Meaburn, John, AO 15: 3006
- Anderson, G. K.**  
—; Lee, J. T.: Heterogeneous condensation of  $\text{BCl}_3$  in the presence of  $\text{CO}_2$  laser irradiation (E), OL 3: 10
- Anderson, Gordon Wood**  
—; Grant, Howard L.: Thickness, uniformity, and preparation of stress-free floating amorphous germanium thin-films (E) (L), AO 14: 2057
- ; Grant, Howard L.: Uniformity, thickness, and preparation of stress-free, floating, amorphous germanium thin films (A), JOSA 65: 1194
- Anderson, J. E.** See Terhune, R. W., OL 1: 70, OL 1: 70; Terhune, Robert W., OL 1: 70
- Anderson, L. W.** See Lawler, J. E., AO 15: 1083
- Anderson, P. W.**  
Localization (A), JOSA 68: 678
- Anderson, R.** See Jackson, John E., JOSA 69: 1427
- Anderson, R. C.** See Browell, Edward V., JOSA 65: 919; Golden, Lewis J., JOSA 66: 1097; Palm, C. S., AO 16: 1074



- Anderson, R. H.** See Emmel, P. M., JOSA 68: 1416
- Close-up imaging of documents and displays with lens arrays (E), AO 18: 477
- ; Bennett, Jean M.: Optical properties of KCl forged between optically polished dies (A), JOSA 68: 1397
- Anderson, R. J.** See Mack, E. J., JOSA 67: 257
- Anderson, Richard.** See Carozza, James, JOSA 67: 118; Wilcox, David, JOSA 65: 1368
- Anderson, Richard J.**
- ; Watson, J., Jr.; Sharpton, Francis A.: Electron impact excitation of the  $G^1\Sigma^+_g$  state of  $H_2$  (E), JOSA 67: 1641
- Anderson, Robert E.**
- ; Landis, Dennis J.: Chemistry and structure of photoreceptor membranes (A), JOSA 64: 1379
- Anderson, Robert G.** See Lyman, John L., OL 3: 238
- Anderson, Robert J.**
- Radiometry of phototherapy (A), JOSA 64: 536
- Anderson, Roger W.**
- Polarization conserving light bending prisms and optimized Fresnel rhombs (T), AO 13: 1110
- Anderson, W. A.**
- ; Delahoy, A. E.; Milano, R. A.: Thin metal films as applied to Schottky solar cells: optical studies (ET), AO 15: 1621
- Anderson, W. J.**
- ; Hansen, Wilford N.: Optical characterization of thin films (E), JOSA 67: 1051
- Anderson, Wallace L.** See Dodge, Carl, JOSA 64: 544; Shen, Shih-yin, JOSA 64: 1399; Tam, Philip S. H., JOSA 64: 1358
- ; Shen, Shih-yin: Statistical inference of particle populations from scattered light (T), JOSA 69: 1684
- Anderson, Wayne J.**
- ; Gebel, Radames K. H.: Ultraviolet windows in commercial sunglasses (E), AO 16: 515
- Anderson, William J.**
- Model for reciprocity failure in photographic materials and its asymptotic behavior at low and high intensities (T), JOSA 68: 972
- Anderson, William R.** See Allen, John E., Jr., OL 1: 118
- Ando, K.** See Aoki, F., JOSA 67: 709
- Ando, Kozo.** See Mori, Kazuo, JOSA 65: 1188
- Ando, Moritoshi.** See Ikeda, Hiroyuki, AO 18: 2166
- Andrade, Osvaldo O.**
- Interferometer matching to plane wave (T) (L), AO 18: 1888
- Mode coupling by circular apertures (T), AO 15: 2800
- Optical heterodyning ellipsometry measurements (L), AO 15: 1378
- Thermal expansion ultraprecise measurements (E) (L), AO 16: 1804
- Andrae, H. J.**
- ; Ploehn, H.-J.; Wittmann, W.; Gaupp, A.; Stoner, John O., Jr.; Gaillard, M.: Lifetimes of levels in neutral strontium ( $Sr\ I$ )<sup>+</sup> (E), JOSA 65: 1410
- Andre, J. C.**
- ; Lopez-Delgado, R.; Lyke, R. L.; Ware, W. R.: Calibrating the light pulse shape of a hydrogen flashlamp using synchrotron radiation as a standard of excitation (E), AO 18: 1355
- Andre, Y. V.**
- ; Chambaret, J. P.; Franco, M. A.; Prade, B. S.: Infrared video camera at 10  $\mu m$  (E), AO 18: 2607
- Andrew, Kenneth L.** See Davis, D. S., JOSA 68: 206, JOSA 68: 235; Palmer, Byron A., AO 17: 2280
- Andrews, C. L.** See Carpenter, Clinton Ray, JOSA 65: 246; Chuang, Intaik, JOSA 67: 1561, JOSA 67: 1566; Turner, J. N., JOSA 64: 789
- ; Margolis, D. P.; Barnard, D. P.; Dunbar, R. S.; Libelo, Louis F.: Coupling of plane-polarized electromagnetic waves to cylindrical modes (A), JOSA 65: 1167
- ; Margolis, D. P.; Heckl, J. P.; Libelo, Louis F.: Experimental excitement of resonant modes in open-ended cylindrical cavities (A), JOSA 64: 528
- Microwave Optics, The Optics of Microwave Antenna Design. By Sydney Cornbleet (B), JOSA 68: 143
- ; Chung, Intaik; Libelo, Louis F.: Near-field diffraction by a disk (A), JOSA 69: 1473
- Andrews, Harry C.** See Hou, H. Steven, JOSA 66: 168; Morton, John Baird, JOSA 69: 280; Sawchuk, Alexander A., JOSA 66: 1111
- Applications of Walsh Functions and Sequence Theory. Edited by H. Schrieber and G. F. Sandy (B), AO 14: 1739
- Digital Fourier transforms as means for scanner evaluation (ET), AO 13: 146
- Monochrome digital image enhancement (ET), AO 15: 495
- Andrews, M. K.** See Ireland, W., AO 18: 3889
- Andrews, M. L.** See Merchant, V. E., JOSA 69: 1481
- Andrews, R. A.** See Reintjes, J. F., JOSA 67: 251
- Anedda, A.**
- Refractive index determination of layered compound  $ZnIn_2S_4$  (E), AO 13: 1595
- Angel, D. W.** See Hunter, W. R., JOSA 69: 1438, AO 18: 3506, JOSA 68: 1319, JOSA 69: 1695
- Angel, E. S.**
- ; Jain, Anil K.: Iterative algorithm for restoration of space-variant PSF degraded images (A), JOSA 65: 1203
- ; Jain, Anil K.: Restoration of images degraded by spatially varying pointspread functions by a conjugate gradient method (T), AO 17: 2186
- Angel, Edward S.**
- Digital Image Processing. By Rafael C. Gonzalez and Paul Wintz (B), JOSA 68: 1457
- Digital Image Restoration. By H. C. Andrews and B. R. Hunt (B), JOSA 68: 273
- Angelbeck, A. W.** See Wisner, George R., JOSA 66: 391
- ; Greiner, A. F.; Hasselmark, D. E.; Freeman, R. H.; Reynolds, H. C.; Wisner, George R.: Development of a high-power cooled metal mirror with active figure control (A), JOSA 66: 391
- Anger, C. D.** See Hays, P. B., AO 17: 1898; Murphree, J. S., AO 17: 1849
- Angstrom, Anders**
- Circumsolar radiation as a measure of the turbidity of the atmosphere. Part 2 (TE), AO 13: 1477
- Circumsolar sky radiation and turbidity of the atmosphere (TE), AO 13: 474
- Angus, John C.** See Gallagher, Neal C., Jr., AO 16: 413
- ; Coffield, Frederick E.; Edwards, Robert V.; Mann, J. Adin, Jr.; Rugb, Robert W.; Gallagher, Neal C., Jr.: Infrared image construction with computer-generated reflection holograms (E) (L), AO 16: 2798
- Anicin, B.** See Cowan, James J., JOSA 64: 525, JOSA 67: 1307
- Ankiewicz, A.**
- ; Adams, M. S.; Parsons, N. J.: Modes in graded noncircular multimode optical fibers (ET), OL 4: 414
- Annable, R. V.**
- Hybrid cryogenic cooler for space flight applications (TE), AO 17: 2739
- Hybrid cryogenic cooler for space flight applications (errata), AO 17: 3522
- More on afocal parabolic reflectors (T) (L), AO 13: 2191
- Thermal radiation shields for radiant coolers (ET), AO 15: 1860
- Anstis, Stuart M.** See Steinbach, M. J., JOSA 67: 1415
- ; Rogers, Brian J.: Interactions between simultaneous contrast and colored afterimages (A), JOSA 67: 1380
- Movement perception and stereopsis in man (A), JOSA 67: 1399
- Antar, Yahia M. M.**
- ; Bhartia, P.: Analysis of the transmitted laser beam at total reflection (A), JOSA 67: 1439
- Anthes, John P.** See Pearlman, Jay S., AO 16: 2328
- Antipov, A. B.**
- ; Zuev, V. E.; Lopasov, V. P.; Ponomarev, Yu. N.: Saturation effect for  $H_2O$  absorption lines at ruby laser wavelengths (E), AO 18: 3014
- Antonoli, G.**
- ; Bianchi, D.; Franzosi, P.: Temperature variation of refractive index in GaSe, AO 18: 3847
- Antonov, V. S.**
- ; Knyazev, I. N.; Letokhov, Vladilen S.; Matiuk, V. M.; Movshev, V. G.; Potapov, V. K.: Stepwise laser photoionization of molecules in a mass spectrometer: a new method for probing and detection of polyatomic molecules (E), OL 3: 37
- Antoon, M. K.** See Koenig, J. L., AO 17: 1374
- Aoki, F.** See Sekizawa, T., JOSA 67: 709
- ; Ando, K.; Ueno, Yoshito; Kajitani, M.; Tsukada, K.; Shiraishi, S.: Field trial of optical fiber communication for power system (A), JOSA 67: 709
- Aoki, Sadao.** See Sakayanagi, Yoshimi, AO 17: 601
- Aoyagi, Nobuo**
- Formal relativistic quantum theory of fourth-dimensional wave propagation (A), JOSA 69: 1474
- Aoyagi, Takashi**
- ; Aoyagi, Yoshinobu; Namaba, Susumu: High efficient blazed grating couplers (A), JOSA 66: 292
- Aoyagi, Yoshinobu.** See Aoyagi, Takashi, JOSA 66: 292
- Aoyama, Koh-ichi**
- ; Minowa, Jun-ichiro: Low-loss optical demultiplexer for WDM systems in the 0.8- $\mu m$  wavelength region (E), AO 18: 2834
- ; Minowa, Jun-ichiro: Optical demultiplexer for a wavelength division multiplexing system (E), AO 18: 1253
- Apfel, Joseph H.** See Carniglia, Charles K., JOSA 69: 1438
- Electric field intensity within optical coatings and substrates (A), JOSA 68: 1418
- Electric fields in multilayers at oblique incidence (T), AO 15: 2339
- ; Carniglia, Charles K.: Multilayer enhanced metal reflector with improved thermal characteristics (A), JOSA 69: 1438
- Optical coating design with reduced electric field intensity (T), AO 16: 1880
- Poynting vectors and electric fields in multilayers at non-normal incidence (A), JOSA 68: 161
- Apostol, D.** See Bertolotti, Mario, AO 15: 2468
- Appelt, Heinz.** See Meyer-Arendt, Jurgen R., AO 15: 2017
- Appleby, R.** See Adams, David M., AO 16: 2572
- April, Gilbert.** See Arsenault, Henri H., JOSA 66: 177, JOSA 67: 1432, JOSA 66: 1160
- ; Arsenault, Henri H.: Information capacity of images with speckle noise (A), JOSA 68: 1362
- Apruzese, J. P.** See Davis, J., JOSA 68: 547
- Apter, R.**
- Responsivity of photocathodes (T) (L), AO 13: 16
- Arad, B.**
- ; Eliezer, S.; Gaxit, Y.; Loebeinstein, H. M.; Rosenblum, M.; Zigler, A.; Zmora, H.; Zweigenbaum, S.: Burn-through of thin aluminum foils by laser-driven ablation (A), JOSA 68: 544
- Araghi, M. N.** See Kramer, Charles J., JOSA 66: 385
- Arakawa, E. T.** See Callcott, T. A., JOSA 64: 839; Haltom, T. L., AO 18: 1233; Williams, M. W., AO 18: 1477
- ; Williams, M. W.; Samson, James A. R.: Polarization by gratings used at grazing incidence (E), AO 17: 2502
- Arecchi, F. T.**
- ; Jacobs, Stephen F.; Molesini, Giuseppe: Modulation transfer function measurement by diffraction shearing (A), JOSA 68: 1391
- ; Bassan, M.; Jacobs, Stephen F.; Molesini, Giuseppe: Modulation transfer function measurement via diffraction shearing with optically superimposed gratings (E), AO 18: 1247
- Arendt, J. W.** See Chiu, M. Y., JOSA 69: 1323
- Arens, J. F.** See Schutt, J. B., AO 13: 2218
- Arguello, C. A.** See Megusar, R., JOSA 65: 22
- ; Mendes, G. F.; Leite, R. C. C.: Simple technique to suppress spurious luminescence in Raman spectroscopy (E) (L), AO 13: 1731
- Arguello, R. J.**
- ; Grey, L. D.; Tobin, E. D.: Evaluation of optical instruments using target detection (A), JOSA 67: 1364
- Arimondo, E.**
- ; Oka, Takeshi: Intracavity detection of microwave transitions through the dispersive response of a laser (A), JOSA 68: 647
- Arimoto, Akira**
- Aberration expansion and evaluation of the quasi-Gaussian beam by a set of orthogonal functions (T), JOSA 64: 850
- Aritome, H.**
- ; Sakajo, A.; Nishimura, T.; Masuda, K.; Namba, S.: Propagation characteristics of graded-index optical waveguides fabricated by ion implantation (A), JOSA 66: 289



- Arizaga, Ricardo.** See De Mattiello, Maria L. F., JOSA 68: 1400
- Armand, A.**  
—; Boswell, D.; Soffer, B. H.; Strand, T. C.; Sawchuk, Alexander A.: Methods for real-time nonlinear optical processing (A), JOSA 68: 1361  
—; Boswell, D.; Michaelson, J.; Soffer, B. H.; Strand, T. C.; Sawchuk, Alexander A.: Real-time nonlinear processing with halftone screens (A), JOSA 68: 1361
- Armington, John C.** See Korth, Matthias, JOSA 65: 1205  
Psychophysical applications of human electroretinography (E), JOSA 67: 1458  
—; Bloom, Marie B.: Relations between the amplitudes of spontaneous saccades and visual responses (E), JOSA 64: 1263  
—; Uses of ERG (A), JOSA 65: 1209
- Armor, James B., Jr.**  
—; Robinson, Stanley R.: Phase-lock control considerations for coherently combined lasers (A), JOSA 68: 1385  
—; Robinson, Stanley R.: Phase-lock control considerations for coherently combined lasers (T), AO 18: 3165
- Armstead, R. L.** See Crittenden, Eugene C., Jr., JOSA 68: 539
- Armstrong, Bruce**  
Chemical spray silvering (L), AO 16: 2785
- Armstrong, John A.** See Esherick, Peter, OL 1: 19  
—; Wynne, James J.; Esherick, Peter: Bound, odd-parity  $J = 1$  spectra of the alkaline earths: Ca, Sr, and Ba (TE), JOSA 69: 211  
—; Wynne, James J.: Multiphoton ionization spectroscopy (A), JOSA 68: 709  
Nonlinear Optics: Proceedings of the Second All-Union Conference on Nonlinear Optics. Edited by R. V. Khokhlov (B), AO 14: 2568  
—; Esherick, Peter; Synne, James J.: Spectroscopy of  $^3P^o$  states of Ba (A), JOSA 67: 1417
- Armstrong, K. R.**  
—; Low, F. J.: Far-infrared filters utilizing small particle scattering and antireflection coatings (E), AO 13: 425
- Armstrong, P. R.**  
—; Anderson, A. P.: Direct matched-filtering of pen recordings using sodium light (ET) (L), AO 14: 2337
- Armstrong, R. L.** See Gillespie, Patti S., AO 15: 865  
Analysis of Fabry-Perot interferograms of periodic spectra (T), JOSA 64: 871  
—; Mason, James B.; Barber, Teddy: Detection of atmospheric aerosol flow using a transit-time lidar velocimeter (ET), AO 15: 2891  
Effect of collision narrowing on atmospheric transmittance (TE), AO 14: 56  
Line parameter variations and the profile dependence of atmospheric transmittance (T), AO 17: 2103  
Rotational Raman interferometric technique to measure gas temperatures (TE), AO 14: 383
- Armstrong, Robert E.**  
Some limitations of the "physiologizing" possible by psychophysicists (A), JOSA 66: 1078
- Armstrong, S. A.**  
—; Gough, P. T.: Errors in sample autocovariance functions and their corresponding power spectra (TE), JOSA 68: 568
- Armstrong, W. T.**  
—; Forman, P. R.: Double-pulsed time differential holographic interferometry (E), AO 16: 229
- Arnaud, Jacques A.** See Albanese, A., AO 15: 2029  
Application of the mechanical theory of light to fiber optics (T), JOSA 65: 174  
—; Saleh, A. A. M.: Guidance of surface waves by multilayer coatings (T), AO 13: 2343  
Modern Topics in Electromagnetics and Antennas, 1976 Summer Institute at Technical University, Eindhoven. By H. Bach, P. J. B. Claricoats, J. B. Davies, A. T. de Hoop, L. B. Felsen, R. Mettra, H. G. Unger and J. von Bladel (B), JOSA 68: 1289  
—; Rousseau, M.: Ray theory of randomly bent multimode optical fibers (T), OL 3: 63
- Arnautov, G. P.**  
—; Gik, L. D.; Kalish, E. N.; Koronkevitch, V. P.; Malyshev, I. S.; Nesterikhin, Yu. E.; Stus, Yu. F.; Tarasov, G. G.: High-precision laser gravimeter (E), AO 13: 310
- Arnesen, A.** See Alvarez, E., OL 4: 268
- Arnold, George P.** See Baumeister, Philip W., AO 17: 3858; Wenzel, Robert G., AO 15: 1322  
—; Wenzel, Robert G.: Parametric oscillator: a grating-coupled CdSe OPO (E) (L), AO 16: 809
- Arnold, J. B.**  
—; Steger, P. J.; Saito, Theodore T.: Tool feed influence on the machinability of CO<sub>2</sub> laser optics (E), AO 14: 1777
- Arnold, R. A.** See Peters, W. N., AO 13: 1785
- Arnold, S. J.**  
—; Foster, K. D.; Snelling, D. R.: Supersonic HCl chemical laser (A), JOSA 68: 652
- Arnon, Oded.** See Baumeister, Philip W., AO 16: 439  
Loss mechanisms in dielectric optical interference devices (T), AO 16: 2147  
—; Baumeister, Philip W.: Measurement of the losses in multilayer dielectric reflectors (A), JOSA 68: 1418  
—; Baumeister, Philip W.: Versatile high-precision multiple-pass reflectometer (E), AO 17: 2913  
—; Baumeister, Philip W.: Versatile multipass reflectometer for precise measurement of high-reflectance mirrors (A), JOSA 67: 1430
- Aronson, J. R.**  
—; Strong, P. F.: Optical constants of minerals and rocks (ET), AO 14: 2914  
—; Butler, J. F.; von Thuenen, P. C.: Tunable diode laser high resolution spectroscopic measurements of the  $\nu_9$  vibration of carbon dioxide (E), AO 14: 1120  
—; von Thuenen, P. C.; Butler, J. F.: Ultra-high-resolution 15  $\mu$ m CO<sub>2</sub> spectroscopy using a tunable-diode-laser spectrometer (A), JOSA 64: 1388
- Aronson, James R.**  
—; Emslie, A. G.; Ruccia, F. E.; Smallman, C. R.; Smith, E. M.; Strong, P. F.: Infrared emittance of fibrous materials (TE), AO 18: 2622  
Midinfrared spectra of planetary surface minerals (A), JOSA 66: 1081  
Optical Properties of Inhomogeneous Materials: Application to Geology, Astronomy, Chemistry, and Engineering. By Walter C. Egah and Theodore W. Hilgeman (B), AO 18: 4084
- Arsenault, Henri H.** See April, Gilbert, JOSA 68: 1362; Brousseau, N., AO 14: 1679  
—; Brousseau, N.: Digital image processing and preprocessing (A), JOSA 65: 1203  
—; Marmet, Paul: Extracting signals from a strong continuum in the presence of noise (A), JOSA 66: 1131  
Generalization of the principal plane concept and its application (A), JOSA 69: 1456  
—; April, Gilbert: Generalized lensless Fourier transform hologram (A), JOSA 67: 1432  
Geometrical optics of holograms (T), JOSA 65: 903  
—; Seguin, M. K.; Brousseau, N.: Optical filtering of aeromagnetic maps (E), AO 13: 1013  
Optoelectronique. By G. Broussaud (B), JOSA 65: 1084  
Principal rays and conjugate equations in holography (A), JOSA 65: 1223  
—; April, Gilbert: Properties of speckle integrated with a finite aperture and logarithmically transformed (T), JOSA 66: 1160  
—; April, Gilbert: Speckle removal by optical and digital processing (A), JOSA 66: 177  
—; Rheault, C.; Hardy, E.: Stellar magnitude determination from photographs by computer (A), JOSA 68: 1376
- Arsenault, Roger**  
—; Boivin, Germain: Fabrication of metal-dielectric interference filters: a simple method (ET), AO 16: 1890  
—; Boivin, Germain: Metal-dielectric photosystems (ET), AO 17: 736
- Artru, Marie-Christine.** See Brillet, Wan-U Lydia, JOSA 65: 1399; Kaufman, Victor, JOSA 64: 197  
—; Brillet, Wan-U Lydia: Analysis of the spectrum of quadruply ionized aluminum (Al v) (TE), JOSA 64: 1063  
—; Kaufman, Victor: Extension of the analysis of triply ionized aluminum (Al iv) (E), JOSA 65: 594
- Artusy, Max**  
—; Holmes, Neil: Optically pumped 546 nm Hg laser (A), JOSA 66: 1108
- Aruga, Tadashi**  
—; Heath, Donald F.: Backscattered ultraviolet radiation from turbid and spherical atmosphere (A), JOSA 68: 1434  
—; Igarashi, T.: Vertical distribution of ozone: a new method of determination using satellite measurements (T), AO 15: 261
- Arvidson, R. E.** See Huck, Fred O., AO 16: 2454
- Asahara, T.** See Nishida, M., JOSA 67: 709
- Asai, K.** See Rodgers, M. O., JOSA 69: 1407
- Asakura, Toshimitsu.** See Fujii, Hitoshi, AO 16: 180, JOSA 66: 1217, JOSA 66: 1222, JOSA 67: 1171; Imai, Masaaki, JOSA 66: 668; Mishina, H., AO 14: 2326; Nakagawa, K., AO 18: 3725; Ohtsubo, Junji, JOSA 66: 176, OL 1: 98, AO 16: 1742; Takai, Nobukatsu, AO 17: 3785, JOSA 69: 558; Uozumi, J., JOSA 67: 808  
Measurement of surface roughness using speckle contrast (A), JOSA 66: 179
- Asano, Shoji.** See Kotlarchyk, Michael, AO 18: 2470  
—; Yamamoto, Giichi: Light scattering by a spheroidal particle (T), AO 14: 29  
—; Yamamoto, Giichi: Light scattering by a spheroidal particle (T) (errata), AO 15: 2028  
Light scattering properties of spheroidal particles (T), AO 18: 712
- Asatani, K.** See Kawana, Akio, OL 2: 106
- Asawa, C. K.** See Abrams, Richard L., JOSA 66: 389
- Aschkenasi, E.** See Zimmerman, J., JOSA 64: 1369
- Ascoli-Bartoli, Ugo**  
Thomson scattering (A), JOSA 65: 1197
- Asenbaum, A.**  
Computer-controlled Fabry-Perot interferometer for Brillouin spectroscopy (E), AO 18: 540
- Ash, Gary Stephen**  
Bandpass filter with absorbing materials (A), JOSA 66: 162
- Ashby, Neil**  
—; Miller, Stanley C.: Interference theory of reflection from multilayered media (T), JOSA 67: 448
- Asher, Robert B.** See Froehlich, Gary K., JOSA 67: 1368, JOSA 68: 1385, JOSA 68: 1665; Ogrodnik, Robert F., JOSA 66: 392  
—; Hoelscher, Gordon: Adaptive estimation of phase distortions in adaptive optics, JOSA 67: 1367  
Detection and estimation concepts (A), JOSA 68: 1398  
—; Ogrodnik, Robert F.: Estimation and control in multidither adaptive optics (T), JOSA 67: 350
- Ashkin, A.** See Bjorkholm, J. E., JOSA 68: 1377, JOSA 68: 1623  
—; Gordon, J. P.: Cooling and trapping of atoms by resonance radiation pressure (T), OL 4: 161
- Ashley, J. C.** See Birkhoff, R. D., JOSA 67: 564
- Askins, Barbara S.**  
Photographic image intensification by autoradiography (E), AO 15: 2860
- Aspinwall, D. M.**  
Design of a large lightweight uncooled laser mirror for high-energy laser applications (A), JOSA 66: 1105
- Aspnes, D. E.** See Kaufmann, E. N., JOSA 67: 1099  
Effects of component optical activity in data reduction and calibration of rotating-analyzer ellipsometers (TE), JOSA 64: 812  
—; Studna, A. A.: High precision scanning ellipsometer (E), AO 14: 220  
Optimizing precision of rotating-analyzer ellipsometers (T), JOSA 64: 639  
Photometric ellipsometer for measuring partially polarized light (ET), JOSA 65: 1274  
Precision bounds to ellipsometer systems (T), AO 14: 1131  
—; Hauge, P. S.: Rotating-compensator/analyzer fixed-analyzer ellipsometer: analysis and comparison to other automatic ellipsometers (T), JOSA 66: 949
- Assa, A.**  
—; Betser, A. A.; Politch, Jacob: Recording slope and curvature contours of flexed plates using a grating shearing interferometer (TE), AO 16: 2504
- Astheimer, R. W.** See Hawkes, J. B., JOSA 64: 105
- Astle, H. W.** See Cohen, Leonard G., JOSA 67: 707; Kaiser, P., JOSA 64: 526, JOSA 64: 469; Presby, Herman M., AO 17: 2209



- Asundi, A.** See Chiang, Fu-Pen, AO 18: 409
- Asvestas, John S.**  
Diffraction by a black screen (T), JOSA 65: 155
- Atcheson, Paul D.**  
Coded aperture imaging on nonplanar surfaces (A), JOSA 66: 1110
- Athale, Ravindra A.**  
—; Lee, Sing H.: Bistability and other nonlinear characteristics of the photoconductor—twisted nematic liquid crystal device with optical feedback (A), JOSA 69: 1422
- Athearn, Marion W.** See Soltzberg, L. J., AO 16: 3206
- Atkins, Harry L.** See Oldham, Lloyd P., AO 16: 1002
- Atkins, W. J., Jr.** See Gardner, C. S., JOSA 68: 909
- Atkinson, Janette.** See Howland, Howard C., JOSA 69: 1486
- Attwood, D. T.** See Coleman, Lamar W., JOSA 68: 547; Sweeney, Donald W., AO 15: 1126
- ; Weinstein, Berthold W.; Wuerker, R. F.: Composite x-ray pinholes for time-resolved microphotography of laser compressed targets (E), AO 16: 1253
- ; Sweeney, Donald W.; Auerbach, J. M.; Lee, P. H. Y.: Confirmation of radiation pressure effects in laser-plasma interactions (A), JOSA 68: 544
- Atwater, Thomas W.** See Bufton, Jack L., JOSA 69: 1398
- Aubourg, P.** See Herriau, J. P., AO 17: 1851; Huignard, J. P., OL 4: 21
- Auer, Siegfried**  
Polarization-sensitive spectroradiometer: two methods for overcoming the problems of measuring reflectance spectra (E), AO 18: 548
- Auerbach, J. M.** See Attwood, D. T., JOSA 68: 544; Phillion, D. W., JOSA 68: 544
- ; Holmes, N. C.; Hunt, J. T.; Linford, Gary J.: Closure phenomena in pinholes irradiated by Nd laser pulses (ET), AO 18: 2495
- Augason, G. C.**  
—; Mord, A. J.; Witteborn, Fred C.; Swift, C. D.; Caroff, L. J.; Erickson, Edward F.; Kunz, Louis W.: Water vapor absorption spectra of the upper atmosphere (45–185  $\text{cm}^{-1}$ ) (ET), AO 14: 2146
- August, R. R.** See Anderson, D. B., AO 13: 2742; James, K. A., JOSA 66: 386; Yao, S. K., AO 18: 4067
- Aukerman, L. W.**  
—; Erler, J. W.: Infrared hot carrier diode mixer (ET), OL 1: 178
- Aulich, H. A.** See Schneider, H., AO 17: 3035
- ; Grabmaier, J. G.; Eisenrith, K. H.: Drawing optical fiber bundles from a double crucible: a new technique (E) (L), AO 17: 170
- ; Eisenrith, K. H.; Kinshofer, G.; Grabmaier, J. G.: High-aperture, medium-loss alkali-lead-silicate fibers prepared by the double-crucible technique (A), JOSA 67: 706
- Aumann, H. H.**  
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- Aumiller, G. D.** See Chandross, E. A., JOSA 66: 1083, AO 17: 566; Duguay, Michel A., AO 18: 2081; Tomlinson, W. J., JOSA 65: 1220, AO 14: 1100, AO 15: 534
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- ; Witte, H.-H.: Optimized layout for a data bus system based on a new planar access coupler (TE), AO 16: 3140
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- ; Witte, H.-H.: Planar optical coupler for a data bus system with single multimode fibers (ET), AO 16: 2195
- Auric, D.**  
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- Auriemma, G.** See Costa, E., AO 17: 621
- Ausschnitt, C. P.** See Bjorklund, Gary C., JOSA 68: 675, JOSA 68: 1412; Jain, R. K., OL 2: 117
- ; Bjorklund, Gary C.; Freeman, Richard P.: Hydrogen plasma diagnostics by multiphoton optogalvanic spectroscopy (A), JOSA 68: 1445
- ; Bjorklund, Gary C.: Laser-induced striations in a hydrogen-discharge plasma (E), OL 4: 4
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- Austin, M.** See Burns, M., AO 15: 672
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- ; Stone, F. T.: Thin periodic structures in photoresist: fabrication and experimental evaluation (E), AO 15: 2126
- Auston, D. H.** See Shank, C. V., JOSA 66: 1082, JOSA 68: 681
- Auth, David C.** See Carlson, F. Paul, JOSA 64: 1365; Chang, C. T., JOSA 68: 1191; Gulacsik, Chris, AO 18: 1816; Tokuda, A. R., JOSA 68: 1382
- Dual beam interferometer with autoequalization of path length (ET) (L), AO 15: 2302
- Authier, B.**  
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- Auermann, H. J.** See Jennings, S. G., AO 17: 3922
- AuYeung, John.** See Pepper, David M., OL 3: 7
- ; Fekete, Dan; Pepper, David M.; Yariv, Amnon: Continuous backward-wave generation by degenerate four-wave mixing in optical fibers (E), OL 4: 42
- ; Yariv, Amnon: Fiber response to broadband signals (T) (L), AO 16: 3080
- ; Yariv, Amnon: Theory of a cw fiber Raman oscillator (A), JOSA 68: 1383
- ; Yariv, Amnon: Theory of cw Raman oscillation in optical fibers (T), JOSA 69: 803
- Auzanneau, Max.** See Farrow, Michael M., AO 17: 1093
- Avidor, Joel M.**  
Novel instantaneous laser Doppler velocimeter (E), AO 13: 280
- Avizonis, P. V.** See Butts, R. R., JOSA 68: 551, JOSA 68: 1072; Holmes, D. A., AO 15: 1075; Nagel, J., OL 4: 300
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- Avrillier, S.** See VanLerberghe, A., JOSA 68: 624
- Axelrod, N. N.**  
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- Axtelle, George**  
Each: a system of units (ET) (L), AO 14: 795
- Ayama, Miyoshi.** See Ikeda, Mitsuo, JOSA 68: 1438
- Ayoub, G. T.**  
—; Bashara, N. M.: Characterization of a very thin uniaxial film on a nonabsorbing substrate by multiple wavelength ellipsometry: palmitic acid on water (E), JOSA 68: 978
- ; Bashara, N. M.: Internal reflection ellipsometry and scattering of interfaces (A), JOSA 67: 1430
- Ayub, F. Mohammed.** See Das, P., JOSA 69: 1483
- ; Das, P.: Two-dimensional image scanning of movies using AO interaction with surface acoustic waves (A), JOSA 67: 1444
- Azechi, H.** See Yamanaka, C., JOSA 68: 543
- Azema, A.** See Botineau, J., AO 17: 1208
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- Azzam, R. M. A.** See Confer, D. L., AO 15: 2568; Elshazly-Zaghloul, M., JOSA 67: 1443, JOSA 69: 1474; Merrill, B. E., JOSA 64: 731; Zaghloul, A.-R. M., JOSA 69: 1439, AO 16: 1488, JOSA 65: 1043, JOSA 67: 1286
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- ; Bashara, N. M.: Application of generalized ellipsometry to anisotropic crystals (T), JOSA 64: 128
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- ; Bashara, N. M.: Average polarization of partially polarized light (T) (L), JOSA 64: 398
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- ; Zaghloul, A.-R. M.; Bashara, N. M.: Design of film-substrate single-reflection linear partial polarizers (T), JOSA 65: 1472
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- ; Zaghloul, A.-R. M.; Bashara, N. M.: Ellipsometric function of a film-substrate system: applications to the design of reflection-type optical devices and to ellipsometry (T), JOSA 65: 252
- Frequency-mixing detection (FMD) of polarization-modulated light (T), JOSA 66: 735
- Generalized ellipsometry based on azimuth measurements alone (T), JOSA 68: 514
- Modulated generalized ellipsometry (T), JOSA 66: 520
- Photopolarimeter using two modulated optical rotators (T), OL 1: 181
- Photopolarimetric measurement of the Mueller matrix by Fourier analysis of a single detected signal (T), OL 2: 148
- Polarized Light. Edited by William Swindell (B), JOSA 66: 871
- ; Zaghloul, A.-R. M.; Bashara, N. M.: Polarizer-surface-analyzer null ellipsometry for film-substrate systems (TE), JOSA 65: 1464
- ; Zaghloul, A.-R. M.: Principal angle, principal azimuth, and principal-angle ellipsometry of film-substrate systems (T), JOSA 67: 1058
- Propagation of partially polarized light through anisotropic media with or without depolarization: a differential  $4 \times 4$  matrix calculus (T), JOSA 68: 1756
- Reflection of an electromagnetic plane wave with  $0$  or  $\pi$  phase shift at the surface of an absorbing medium (T) (L), JOSA 69: 487
- Relations between amplitude reflectances and phase shifts of the  $p$  and  $s$  polarizations when electromagnetic radiation strikes interfaces between transparent media (T) (L), AO 18: 1884
- Simulation of mechanical rotation by optical rotation: application to the design of a new Fourier photopolarimeter (TE), JOSA 68: 518
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- Transformation of Fresnel's interface reflection and transmission coefficients between normal and oblique incidence (T), JOSA 69: 590
- Baba, Naoshi**  
—; Murata, Kazumi: Filtering for image reconstruction from projections (T), JOSA 67: 662
- Babcock, C. L.** See Turner, A. F., JOSA 66: 1118
- Babcock, R. V.**  
—; Brown, J. C.; Feldman, B. J.; Fisher, Robert A.; Simons, S. W.; Tercovich, R. G.: Large-aperture double-discharge 1800 Torr  $\text{CO}_2$  laser amplifier (A), JOSA 68: 543



- Babiskin, Julius.** See Hass, Marvin, AO 14: 1128
- Babolat, C.** See Haisma, J., OL 4: 70
- Babrov, Harold J.**  
—; Jacobs, Michael M.: Acoustooptic tunable filter performance in a staring IR sensor (T), AO 18: 3901
- Bach, B. W.** See Hunter, W. R., JOSA 67: 1378
- Bachelier, A.** See Bauche-Arnoult, C., JOSA 68: 768
- Bachner, Frank J.** See Fan, John C. C., AO 15: 1012
- Bachrach, R. Z.** See Schnopper, H. W., AO 16: 1088
- Back, R. A.** See Willis, C., JOSA 68: 692
- Bachus, Charles E.**  
Solar concentrators for electrical generation (A), JOSA 66: 1059
- Bader, T. R.**  
Acoustooptic spectrum analysis: a high performance hybrid technique (T), AO 18: 1668  
Hologram gratings: amplitude and phase components (T) (L), AO 14: 2818
- Badertscher, R.** See Pohl, Dieter W., AO 13: 95
- Baer, A. D.** See Rehn, Victor, AO 16: 1111
- Baer, J.** See Narducci, Lorenzo M., JOSA 64: 1399
- Baer, T.**  
Capacitor modification to the Schenck and Metcalf  $N_2$  laser (E) (L), AO 15: 2953  
—; Abella, I. D.: Photon echoes in plasmas: collisional relaxation in helium on  $2^3S_1-3^3P_{012}$  (ET), OL 3: 170
- Bage, Marc J.**  
—; Beddoes, Michael P.: Lensless matched filter: operating principle, sensitivity to spectrum shift, and third-order holographic aberrations (TE), AO 15: 2830  
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—; Beddoes, Michael P.: Parallel matched filtering: minimization of the volume effect (T) (L), AO 15: 2632
- Baghuis, L. C. J.** See Coolen, F. C. M., JOSA 64: 482
- Bahuguna, R. D.**  
—; Gupta, K. K.; Singh, K.: Study of laser speckles in the presence of spherical aberration (E), JOSA 69: 877
- Bailey, D.** See Zimmerman, G., JOSA 68: 549
- Bailey, Glen F.**  
4- $\pi$  spectroradiometer (A), JOSA 66: 1124
- Bailey, Ian L.**  
Low Vision. Edited by Eleanor E. Faye and Clare M. Hood (B), AO 15: 2294  
Measuring the magnifying power of Keplerian telescopes (T) (L), AO 17: 3520
- Baily, Philip K.** See Sutter, L. V., AO 18: 3835
- ; Kallis, James M.; Dolezal, Franklin A.: Subsonic flow aerodynamic window for high-energy lasers (A), JOSA 64: 1359
- Bair, Clayton H.** See Brockman, Philip, AO 17: 91; Rogowski, R. S., AO 17: 1301
- ; Brockman, Philip: High resolution spectral measurement of the  $\text{HNO}_3$  5.9- $\mu\text{m}$  band using a tunable diode laser (E), AO 18: 4152
- ; Allario, Frank: Measurement of HCl absorption coefficients with a DF laser (ET), AO 16: 97
- Baird, Jack R.** See Clark, John R., AO 15: 314
- Baird, K. M.**  
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- Baker, Bill R.**  
Scan line filters for optical spectral analysis (T), AO 14: 353
- Baker, Doran J.** See Stair, A. T., Jr., JOSA 64: 1371; Steed, Allan J., AO 18: 3386
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Rayleigh, the unit for light radiance (T), AO 13: 2160
- Baker, E. A. M.** See Mahajan, C. G., OL 4: 283
- Baker, H. J.**  
—; Bannister, J. J.; King, T. A.; Mukhtar, E. S.: Phosphor converter camera for near-infrared laser-beam profile recording (E), AO 18: 2136
- Baker, Howard D.** See White, Keith D., JOSA 66: 70
- Baker, K. D.** See Stair, A. T., Jr., JOSA 64: 1371
- Baker, L. R.**  
Laser 77: Opto-Electronics; Conference Proceedings. Edited by W. Waidelich (B), AO 17: 2864
- Baker, Louis.** See Farnsworth, Archie V., Jr., JOSA 68: 549; Miller, P. A., JOSA 68: 545
- Baker, M. B.** See Charlson, Robert J., JOSA 67: 257; Heintzenberg, Jost, AO 15: 1178, AO 15: 1904; Weiss, R. E., JOSA 67: 260
- Bakken, George S.**  
Doppler-shifted reflections of x rays in beam foil spectroscopy: comments (E) (L), AO 15: 2967  
Parabolic axicon (T) (L), AO 13: 1291  
Parabolic axicon (T): reply to comments (L), AO 14: 2335
- Balashov, A. A.**  
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Optical design considerations in laser scanning systems (A), JOSA 69: 1479  
Review of surface-measuring interferometers (A), JOSA 64: 1362
- Baldacci, A.** See Reddy, S. Paddi, AO 18: 1350
- Baldini, G.**  
—; Grilli, E.; Guzzi, M.: Simple derivative optical spectrometer (E), AO 14: 2687
- Baldis, H. A.** See Corkum, P. B., AO 18: 1346; Enright, G. D., JOSA 67: 1409
- Far-infrared (10  $\mu\text{m}$ ) photography (A), JOSA 67: 1420
- ; Burnett, N. H.; Richardson, M. C.; Enright, G. D.: Harmonic generation in  $\text{CO}_2$  laser target interaction (A), JOSA 67: 1396
- Baldwin, C. M.** See Weber, Marvin J., JOSA 68: 542
- Baldwin, George C.**  
Applied Nonlinear Optics. By Frits Zernike and John Midwinter (B), AO 14: A96  
Research problems in the development of gamma-ray lasers (A), JOSA 64: 556
- Balhorn, R.**  
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- Balkanski, M.** See Piccoli, N., AO 16: 1236
- Quantum Theory of Semiconductors, By M. M. Cohen (B), AO 14: 1040
- Ball, Karlene.** See Sekuler, Robert, JOSA 68: 1379, JOSA 69: 1486
- Ball, Leonard M.**  
Improved approximation of Bemporad's airmass function: comment (T) (L), AO 13: 2193  
Laser lightning rod system: thunderstorm domestication (TE), AO 13: 2292
- Ballantyne, J. M.** See Basu, A., AO 18: 2575, AO 18: 3620, AO 18: 3627; Tang, C. L., AO 17: 3865
- Ballard, L. D.**  
Direction sensitive laser Doppler velocimeter with polarized beams: comment on (E) (L), AO 13: 1290
- Ballard, P. T.** See Figsoski, J. W., JOSA 66: 1089; Hill, H. A., AO 16: 195, JOSA 69: 978
- ; Hill, H. A.; Figsoski, J. W.: Broadband optical phase shifter (T) (L), AO 17: 331
- Ballard, Stanley S.** See Browder, James Steve, JOSA 65: 1170, JOSA 69: 1471, AO 16: 3214; McCurry, Max E., JOSA 67: 1443
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- Institute of Optical Research (N), AO 15: 1885
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- Optical Activities in the Universities (N), AO 15: 590, AO 17: 2128, AO 17: 3336, AO 18: 609, AO 18: 1126, AO 18: 1841
- Optics textbooks (N), AO 16: 2780
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- Ballik, E. A.** See Chan, J. H. C., AO 13: 234, AO 14: 1839; El-Sherbiny, M. M., AO 18: 1198; Reid, John, JOSA 67: 1363, JOSA 68: 637, AO 17: 300, AO 17: 1806; Shewchun, J., AO 15: 340; Znotins, T. A., JOSA 67: 1441, OL 4: 253
- Resonance absorption measurements of NO with a line-tunable CO laser: spectroscopic data for pollution monitoring (E), AO 16: 398
- ; Chan, J. H. C.: Signal-to-noise ratio in optical velocimeters: effect of detection angle (E), AO 16: 674
- Balling, L. C.** See Havey, M. D., JOSA 67: 488, JOSA 67: 491
- Ballman, A. A.**  
Growth of  $\text{LiNbO}_3$  thin films by liquid-phase epitaxy (A), JOSA 66: 290
- ; Brown, H.: Movie on the melt-phase epitaxial growth of  $\text{LiNbO}_3$  on  $\text{LiTaO}_3$  substrate (A), JOSA 66: 290
- Baltes, H. P.** See Schmidt-Weinmar, H. G., JOSA 67: 1437; Steinle, B., JOSA 67: 241
- ; Ramsay, W. B.; Schmidt-Weinmar, H. G.: Energy flow in band-limited electromagnetic fields (A), JOSA 67: 1437
- ; Steinle, B.: Far field of a Gaussian beam (T): reply (L), JOSA 69: 910
- Fulfillment of Kirchhoff's law in a nonequilibrium radiative environment (A), JOSA 65: 1205
- ; Meystre, P.; Quattropani, A.: Interaction of matter with radiation of any state of coherence (A), JOSA 65: 1198
- ; Steinle, B.: Second-order correlation and radiometry (A), JOSA 67: 1366
- Balutau, J. P.**  
—; Anderegg, M.; Moorwood, A. F. M.; Coron, N.; Beckman, J. E.; Bussolotti, E.; Hippelein, H. H.: High resolution Michelson interferometer for airborne infrared astronomical observations. I: Concept and performance (E), AO 16: 1834
- Balzarotti, A.**  
—; Colavita, E.; Gentile, S.; Rosei, R.: Kramers-Kronig analysis of modulated reflectance data investigation of errors (T), AO 14: 2412
- ; Picozzi, P.; Ricchiuto, A.; Santucci, S.: Reflectivity and thermorefectivity of some ferrimagnetic garnets (A), JOSA 69: 1460
- Banakh, V. A.**  
—; Krekov, G. M.; Mironov, V. L.; Khmelevtsov, S. S.; Tsvik, R. Sh.: Focused-laser-beam scintillations in the turbulent atmosphere (T) (L), JOSA 64: 516
- ; Mironov, V. L.: Phase approximation of the Huygens-Kirchhoff method in problems of laser-beam propagation in the turbulent atmosphere (T), OL 1: 172
- ; Mironov, V. L.: Phase approximation of the Huygens-Kirchhoff method in problems of space-limited optical-beam propagation in turbulent atmosphere (T), OL 4: 259
- Banas, Conrad M.**  
Multikilowatt laser-materials processing (A), JOSA 67: 1414
- Banks, Martin S.** See Powers, Maureen K., JOSA 68: 1427
- Bannister, J. J.** See Baker, H. J., AO 18: 2136
- Bannister, Tommy C.**  
TV in space science activities: some considerations (E), AO 16: 999
- Barakat, Richard.** See Blackman, Elliot, JOSA 69: 544; Garoff, Stephen, JOSA 68: 1217; Robinson, Stanley R., JOSA 69: 1468
- ; Fortini, Peter: Extreme-value statistics for laser speckle patterns observed through finite-size scanning apertures (T), JOSA 68: 783
- Pulse broadening in a semi-infinite spatio-temporal random medium (A), JOSA 69: 1411



- ; Buder, Tommy E.: Remote sensing of crosswind profiles using the correlation slope method (T), JOSA 69: 1604
- ; Blake, Julian: Second-order statistics of speckle patterns observed through finite-size scanning apertures (T), JOSA 68: 614
- Stable iterative approach to phase retrieval from point-spread function data (A), JOSA 69: 1467
- Sums of independent lognormally distributed random variables (T), JOSA 66: 211
- Baranov, V. Yu.**
- ; Bevov, R. K.; Borisov, V. M.; Satov, Yu. A.; Smakovskii, Yu. B.; Streltsov, A. P.: Pulsed CO<sub>2</sub> laser with combined high-current discharge (E) (L), AO 15: 1373
- Baranova, N. B.**
- ; Zel'dovich, B. Ya.: Resonant optical activity induced in gases by collisions with right-left nonsymmetrical molecules (T), OL 3: 1
- Barbe, D. F.**
- Charge coupled devices and CID arrays for visible imaging applications (A), JOSA 66: 389
- Barber, Peter W.** See Wang, Dau-Sing, AO 18: 1190, AO 18: 2672
- ; Wang, Dau-Sing: Rayleigh-Gans-Debye applicability to scattering by nonspherical particles (T), AO 17: 797
- ; Wang, Dau-Sing: Rayleigh-Gans-Debye applicability to scattering by nonspherical particles (errata), AO 18: 962
- ; Yeh, Cavour: Scattering of electromagnetic waves by arbitrarily shaped dielectric bodies (T), AO 14: 2864
- Barber, Teddy.** See Armstrong, R. L., AO 15: 2891
- Barbosa, F. R.**
- ; Srivastava, Ramakant; Bochove, Erik: Low-frequency Raman spectra of silica fibers (A), JOSA 68: 1383
- Barbosa, G. A.**
- ; Katiyar, R. S.; Porto, S. P. S.: Optical properties of SrTiO<sub>3</sub> at high temperatures (E), JOSA 68: 610
- Bardos, Andrew**
- Wideband holographic recorder (E), AO 13: 832
- Bare, George H.** See Alben, James O., AO 17: 2985
- Bareket, Noah**
- ; Wolfe, William L.: Image chopping techniques for fast measurement of irradiance distribution parameters (T), AO 18: 389
- Second moment of the diffraction point spread function as an image quality criterion (T) (L), JOSA 69: 1311
- Undersampling errors in measuring the moments of images aberrated by turbulence (T), AO 18: 3064
- Barger, R. L.**
- ; Bergquist, J. C.; Glaze, D. J.: High-resolution saturated absorption of the <sup>4</sup>S<sub>0</sub>-<sup>3</sup>P<sub>1</sub> calcium transition in an atomic beam (A), JOSA 68: 1634
- Baribeau, Rejean.** See Zardecki, Andrzej, JOSA 66: 1076
- ; Zardecki, Andrzej: Semiclassical study of fluctuations in superfluorescence and in optical bistability (A), JOSA 68: 1453
- Barker, A. S., Jr.**
- Optical properties of solids relevant to photothermal solar energy (A), JOSA 67: 251
- Barker, D. A.** See Huang, Thomas S., AO 14: 11
- Barker, D. B.**
- ; Fournay, M. E.: Measuring fluid velocities with speckle patterns (E), OL 1: 135
- Barker, D. H.** See Hartwick, T. S., AO 15: 1919
- Barker, Dean L.** See Loree, T. R., JOSA 68: 677
- ; Loree, T. R.: Improved beam quality in double discharge excimer lasers (E) (L), AO 16: 1792
- Barker, J. R.** See Eckstrom, D. J., AO 16: 2102
- Barker, R. C.** See Tanguay, A. R., Jr., JOSA 68: 1396, JOSA 68: 1449, JOSA 68: 1449
- Barker, Richard A.** See Thomas, James P., JOSA 67: 1408
- Detection and discrimination of compound gratings (A), JOSA 68: 1379
- Barker, Richard C.** See Yu, Chen Cheng, JOSA 65: 1168, JOSA 67: 1443
- Barletta, R. E.** See Catalano, E., JOSA 68: 1643
- Barletti, Raffaele.** See Vernin, J., AO 18: 243
- ; Ceppatelli, Guido; Paterno, Lucio; Righini, Alberto; Speroni, Neri: Daytime  $r_0$  evaluated from vertical microthermal measurements (E), AO 16: 2419
- ; Ceppatelli, Guido; Paterno, Lucio; Righini, Alberto; Speroni, Neri: Mean vertical profile of atmospheric turbulence relevant for astronomical seeing (E), JOSA 66: 1380
- Barlow, Bertram L.**
- ; McDonough, Ralph: Optical fabrication of a large lightweight mirror of unusual shape (A), JOSA 64: 1376
- Barlow, R. B., Jr.** See Renninger, G. H., JOSA 69: 1433
- Barna, Arpad**
- Fraunhofer diffraction by semicircular apertures (T) (L), JOSA 67: 122
- Barnard, D. P.** See Andrews, C. L., JOSA 65: 1167
- Barnard, R. D.** See Yu, Francis T. S., JOSA 64: 560
- Barnes, C.**
- ; Estabrook, K. G.; Kruer, W. L.; Langdon, A. B.; Lasinski, B. F.; Max, C. E.; Randall, C.; Thompson, J. J.: Light absorption and scattering mechanisms in laser fusion plasmas (A), JOSA 68: 543
- Barnes, Norman P.** See McMillan, Robert W., AO 15: 2501
- ; Scalise, Stanley J.: Distributed aperture effect in laser rods with negative lenses (T), AO 17: 1537
- ; Nickle, R. A.; Mace, P. N.: Far-infrared difference frequency generation (A), JOSA 66: 390
- ; Corcoran, Vincent J.: Parametric generation processes: spectral bandwidth and acceptance angles (T), AO 15: 696
- ; Pilch, Martin S.: Temperature-dependent Sellmeier coefficients and coherence length for cadmium telluride (T), JOSA 67: 628
- ; Pilch, Martin S.: Temperature-dependent Sellmeier coefficients and nonlinear optics average power limit for germanium (T), JOSA 69: 178
- Barnes, R. H.** See Beverly, R. E., III, AO 16: 1572
- Barnes, Ramon M.**
- Annual Reports of Analytical Atomic Spectroscopy 1973, Volume 3. Edited by C. Woodward (B), AO 14: 2311
- Atomic Absorption and Fluorescence Spectroscopy. By C. F. Kirkbright and M. Sargent (B), AO 14: 2351
- Barnes, Russell H.**
- ; Kircher, John F.: Laser NO<sub>2</sub> fluorescence measurements in flames (E), AO 17: 1099
- Barnett, M. E.**
- ; Harnett, P. R.; Welford, Walter T.; Wynne, C. G.: Interactive hybrid processing facility for geological and geographical applications (A), JOSA 66: 171
- Barnett, T. L.**
- ; Juday, R. D.: Skylab S191 visible-infrared spectrometer (E), AO 16: 967
- Barnhardt, E. A.**
- Modern Physics. By Paul A. Tipler (B), AO 17: 2472
- Barnoski, M. K.** See Jensen, S. M., JOSA 67: 707; Marom, Emanuel, JOSA 67: 1372; Tangonan, G. L., AO 16: 1795, AO 17: 3259
- ; Morrison, R. J.: Angle selective fiber coupler (E), AO 15: 253
- Data distribution using fiber optics (T), AO 14: 2571
- ; Friedrich, H. R.: Fabrication of an access coupler with single-strand multimode fiber waveguides (E) (L), AO 15: 2629
- ; Jensen, S. M.: Fiber waveguides: a novel technique for investigating attenuation characteristics (E), AO 15: 2112
- ; Rourke, M. D.; Jensen, S. M.; Melville, R. T.: Optical time domain reflectometer (E), AO 16: 2375
- ; Lotspeich, James F.: Optical waveguiding and optical clean-up in Ti-diffused LiTaO<sub>3</sub> (A), JOSA 66: 290
- Baron, William S.** See Boynton, Robert M., JOSA 64: 1385, JOSA 67: 1379, JOSA 65: 1091
- Flicker sensitivities of two distal retinal components (A), JOSA 69: 1433
- ; Hammon, Robert W.: Flicker sensitivity of the primate rod local electroretinogram (A), JOSA 67: 1363
- Baronovski, Andrew P.**
- ; McDonald, J. R.: Application of saturation spectroscopy to the measurement of C<sub>2</sub>, <sup>3</sup>IL<sub>2</sub> concentrations in oxy-acetylene flames (ET), AO 16: 1897
- Barr, E. Scott**
- Biographical Dictionary of Scientists. Edited by T. I. Williams (B), AO 14: 2348
- Men and milestones in optics. VI: The rise of infrared spectroscopy in the U.S.A. to World War II, AO 15: 1707
- Barr, Edgar E.**
- Bandpass filter design (A), JOSA 66: 161
- Barr, Lawrence D.**
- Next generation telescope concepts (A), JOSA 68: 1360
- Barrekette, E. S.** See Kozma, Adam, AO 13: 747
- Trends in storage of digital data (R), AO 13: 749
- Barrell, Kevin F.**
- ; Pask, Colin: Ray launching and observation in graded-index optical fibers (T), JOSA 69: 294
- Barrett, Eamon B.** See Kellman, Peter, AO 16: 1113; Zweig, Hans J., JOSA 64: 1378, JOSA 65: 1203, JOSA 66: 167, JOSA 65: 1347
- Image transforms, convolutions, and theory of group representations (A), JOSA 67: 1416
- ; Devich, Robert N.: Linear programming compensation for space-variant image degradation (A), JOSA 66: 172
- Barrett, Harrison H.** See Chiu, M. Y., JOSA 69: 1323; Chou, Chien, OL 3: 187; Frieden, B. Roy, JOSA 67: 1416; Glaser, L., JOSA 68: 1436, AO 18: 2294; Gmitro, A. F., JOSA 68: 1437; Gordon, Scott K., JOSA 68: 1110; Greivenkamp, J. E., JOSA 68: 1437; Miller, El Roy, JOSA 66: 1110
- Holography and Its Applications. By Yu. I. Ostrovsky (B), AO 17: 1477
- ; Chiu, M. Y.; Gordon, Scott K.; Parks, Robert E.; Swindell, William: Optical transfer function synthesis: a geometrical optics approach (TE), AO 18: 2760
- ; DeMeester, G. D.: Quantum noise in Fresnel zone plate imaging (T), AO 13: 1100
- ; Jacobs, Stephen F.: Retroreflective arrays as approximate phase conjugators (ET), OL 4: 190
- ; Gordon, Scott K.: Transaxial tomography for pedestrians (A), JOSA 65: 1183
- Barrett, Joseph J.** See West, Gary A., OL 4: 395
- Gas temperature and centrifugal distortion constant determination from profiles of rotational Raman interferometric spectra (TE), JOSA 66: 801
- Photoacoustical Raman spectroscopy (A), JOSA 68: 1433
- ; Harvey, A. B.: Vibrational and rotational-translational temperatures in N<sub>2</sub> by interferometric measurement of the pure rotational Raman effect (E), JOSA 65: 392
- Barriere, A. S.**
- ; Lachter, A.: Optical transitions in disordered thin films of ionic compounds as a function of conditions of preparation (A), JOSA 67: 252
- ; Lachter, A.: Optical transitions in disordered thin films of the ionic compounds MgF<sub>2</sub> and AlF<sub>3</sub> as a function of their conditions of preparation (E), AO 16: 2865
- Barris, Michael C.** See Trick, Gary L., JOSA 69: 1486
- ; Dawson, William W.; Trick, Linda R.: LASCERs discriminate amblyopes from normals (A), JOSA 69: 1477
- ; Dawson, William W.; Hait, Mitchell: Temporal frequency spectra for laser speckle cortical evoked responses (A), JOSA 68: 1380
- Barry, James D.** See Heitman, James M., JOSA 64: 521
- Air Force 1-GBPS space-borne optical communications system (A), JOSA 66: 388
- Liquid argon cooled CO laser (ET) (L), AO 15: 606
- ; Brandelik, J. E.: Proposed far-infrared laser (A), JOSA 64: 554
- Barstow, Glidden J.** See Mooradian, Gregory C., JOSA 66: 389
- Bartell, Frederick O.**
- ; Wolfe, William L.: Approach for the design of blackbody simulators (L), AO 14: 249
- ; Wolfe, William L.: Attenuation-calibration system (A), JOSA 66: 1096
- ; DeBell, Arthur G.; Goodman, D. S.; Harvey, James E.; Wolfe, William L.: BRDF measuring instrument (A), JOSA 67: 252
- ; Wolfe, William L.: Cavity radiators: an ecumenical theory (T), AO 15: 84
- ; DeBell, Arthur G.; Fannin, Bill B.; Giorgi, Colin M.; Wolfe, William L.: Unheated infrared four-bar test target (A), JOSA 66: 1097



- Bartell, L. S.**  
Images of gas molecules by electron holography. III. Theory of optical spatial domain filter (TE), JOSA 69: 1292
- Bartelt, H.** See Fercher, A. F., AO 18: 2427
- Bartelt, H. O.**  
—; Case, Steven K.; Lohmann, A. W.: Visualization of light propagation (A), JOSA 69: 1402  
Wavelength multiplexing with white light (A), JOSA 69: 1435  
—; Brenner, K. H.; Lohmann, A. W.: Wigner distribution in optics (A), JOSA 69: 1467
- Bartholdi, Marty.** See Salzman, G. C., JOSA 67: 1382
- ; Salzman, G. C.; Kerker, Milton; Melamed, Myron R.: Light-scattering pattern measurements  $360^\circ$  in a flow system (A), JOSA 67: 1381
- ; Salzman, G. C.; Hiebert, R. D.; Seger, Guenter: Single-particle light-scattering measurements with a photodiode array (E), OL 1: 223
- Bartholomew, Bruce**  
—; Lee, Sing H.: Nonlinear image processing using Fabry-Perot interferometers (A), JOSA 68: 1377
- Bartle, E. R.** See Ludwig, C. B., AO 13: 1494
- Bartle, Leon.** See Loewen, Erwin G., JOSA 69: 1427
- Bartleson, C. J.**  
Chromatic adaptation (A), JOSA 67: 1374
- Bartlett, I. R.**  
—; Wildy, P. C.: Diffraction grating ruling engine with piezoelectric drive (E) (L), AO 14: 1
- Bartlett, K. G.**  
—; She, C. Y.: Remote measurement of wind speed using a dual beam backscatter laser Doppler velocimeter (ET), AO 15: 1980  
—; She, C. Y.: Single-particle correlated time-of-flight velocimeter for remote wind-speed measurement (E), OL 1: 175  
—; She, C. Y.: Single-particle correlation techniques for remote measurement of wind speed: aerosol condition and measurement rate (TE), JOSA 69: 455
- Bartman, F. L.**  
—; Kuhn, W. R.; Loh, L. T.:  $9.6\text{ }\mu\text{m}$  ozone band ( $\nu_3$ ) intensity (E) (L), JOSA 66: 860
- Bartoe, John-David F.** See Tousey, Richard, AO 16: 870; VanHoosier, M. E., AO 16: 887
- ; Brueckner, Guenther E.; Hunter, W. R.: Comparison of efficiencies of a holographic and a conventional diffraction grating from 1200 to 2000 Å (A), JOSA 64: 1371
- ; Brueckner, Guenther E.; Purcell, J. D.; Tousey, Richard: Extreme ultraviolet spectrograph ATM experiment S082B (E), AO 16: 879
- ; Brueckner, Guenther E.: New stigmatic, coma-free, concave-grating spectrograph (T), JOSA 65: 13
- ; Brueckner, Guenther E.: New stigmatic, coma-free, concave-grating spectrograph (errata), JOSA 65: 617
- Bartoli, F. J.**  
—; Allen, R. E.; Esterowitz, L.: Fluorescence due to magnetic-dipole transitions in  $\text{LiYF}_4\text{Pr}^{3+}$  (E) (L), AO 18: 3365  
—; Esterowitz, L.; Krueger, M. R.; Allen, R. E.: Irreversible laser damage in IR detector materials (A), JOSA 67: 254  
—; Esterowitz, L.; Krueger, M. R.; Allen, R. E.: Irreversible laser damage in IR detector materials (ET), AO 16: 2934  
—; Esterowitz, L.; Allen, R. E.; Krueger, M. R.: Thermal conductance of bonding layers in  $\text{HgCdTe}$  (PC) detector arrays (TE) (L), AO 15: 2016  
—; Esterowitz, L.; Krueger, M. R.; Allen, R. E.: Thermal recovery processes in laser irradiated  $\text{HgCdTe}$  (PC) detectors (TE), AO 14: 2499
- Bartolini, R. A.** See Bell, A. E., JOSA 67: 1403; Hammer, J. M., JOSA 66: 292
- Characteristics of relief phase holograms recorded in photoresists (ET), AO 13: 129
- ; Channin, D. J.; Bloom, Allen: Organic medium for integrated optics (E) (L), AO 15: 2628
- ; Bloom, Allen: Review of organic holographic recording media (A), JOSA 66: 1084
- ; Bloom, Allen; Weakliem, H. A.: Volume holographic recording characteristics of an organic medium (E), AO 15: 1261
- Bartolino, R.** See Scudieri, F., AO 13: 181
- Barton, I. J.**  
—; Le Marshall, J. F.: Differential-absorption lidar measurements in the oxygen A band using a ruby lidar and stimulated Raman scattering (E), OL 4: 78
- Bartusiak, M. F.**  
—; Becher, J.: Photon-induced coloring of multicomponent glasses (E), AO 18: 3342
- Bashara, Edna M.**  
Ellipsometry papers (L), JOSA 64: 1154
- Bashara, N. M.** See Adams, J. R., AO 15: 3179; Ayoub, G. T., JOSA 67: 1430, JOSA 68: 978; Azzam, R. M. A., AO 14: 1652, JOSA 64: 128, JOSA 64: 398, JOSA 64: 1459, JOSA 65: 252, JOSA 65: 462, JOSA 65: 1464, JOSA 65: 1472; Confer, D. L., AO 15: 2568; Merrill, B. E., JOSA 64: 731; Zaghloul, A.-R. M., JOSA 65: 1043; Zeidler, James R., AO 13: 1115, AO 13: 1591, AO 13: 1938
- ; Buabud, George H.: Filmed substrate characterization by internal and external ellipsometry (A), JOSA 68: 1424
- Basher, Reid E.**  
—; Thomas, Robert W. L.: Atmospheric aerosol effect on Dobson total ozone measurements: a simple approach (T) (L), AO 18: 3361
- Bashkin, Stanley.** See Stoner, John O., Jr., JOSA 68: 1445, JOSA 69: 1411, AO 17: 321
- ; Stoner, John O., Jr.: Grottrian-diagram project at the University of Arizona (A), JOSA 66: 1067
- Basile, G.**  
Two-wave interferometers for use with a monochromatic source (ET) (L), AO 18: 422
- Basov, N. G.**  
Infrared lasers (A), JOSA 68: 673
- Soviet laser fusion program (A), JOSA 68: 542
- Bass, Michael.** See Diels, J.-C., JOSA 66: 387; Garmire, E., JOSA 66: 289, JOSA 66: 381, JOSA 68: 1372, AO 15: 145, AO 15: 2028; Leung, K. M., JOSA 66: 383; McMahon, T. R., JOSA 66: 1102, OL 3: 235
- Pulse laser damage in infrared materials (A), JOSA 67: 254
- ; Van Stryland, Eric W.; Stewart, A.: Two-photon absorption spectroscopy using nonlinear laser calorimetry (A), JOSA 68: 1397
- Bassan, M.** See Arecci, F. T., AO 18: 1247
- Bassett, W.** See Lettieri, T., JOSA 67: 1411
- Bassia, J. M.** See Hadni, Armand, AO 15: 2150
- Bastiaans, Martin J.**  
Generalized sampling theorem with application to computer-generated transparencies (T), JOSA 67: 1666
- Generalized sampling theorem with application to computer-generated transparencies (T), JOSA 68: 1658
- Wigner distribution function and its application to first-order optics (T), JOSA 69: 1710
- Basu, A.**  
—; Ballantyne, J. M.: Random fluctuations in first-order waveguide grating filters (T), AO 18: 2575
- ; Ballantyne, J. M.: Second- and higher-order waveguide grating filters. 1: Theory (T), AO 18: 3620
- ; Ballantyne, J. M.: Second- and higher-order waveguide grating filters. 2: Experiment (E), AO 18: 3627
- Batchelder, J. S.**  
—; Zewail, A. H.; Cole, T.: Luminescent solar concentrators. 1: Theory of operation and techniques for performance evaluation (TE), AO 18: 3090
- Bates, B.**  
—; Dufton, P. L.; McKeith, C. D.; Whiteford, R.: Fabry-Perot interferometer applied to optical derivative spectroscopy at low light levels (E) (L), AO 13: 1746
- ; McCartney, D. J.; McKeith, C. D.; McQuoid, A.; Sproule, O. E.: Interferometer-grating spectrograph for high resolution astronomical spectroscopy in the middle UV (E), AO 17: 2119
- ; McCartney, D. J.: Optical properties of multilayer overcoated aluminum films in the UV (2000–2500 Å) (E), AO 15: 2216
- Bates, Clayton Wilson, Jr.** See Greenstein, Howard, JOSA 65: 33
- ; Sparks, Stephen D.: Modulation transfer function of a 210–70-mm fiber-optic output x-ray image intensifier tube (E) (L), AO 14: 1484
- Temperature dependence of the absorption edge of vitreous silica (T) (L), AO 15: 2976
- Bates, Harry E.**  
Coherent birefringent optical pulse compression (A), JOSA 69: 1474
- Linear picosecond pulse shaping technique (A), JOSA 68: 1435
- ; Alfano, Robert R.; Schiller, Norman: Picosecond pulse stacking in calcite (ET) (L), AO 18: 947
- ; Phillips, Robert W.: Study of distortion in pumped laser media (A), JOSA 64: 559
- ; Henderson, B. J.: Theoretical maximum efficiencies for passive optical pulse shaping systems (T), JOSA 68: 919
- Batifol, E.** See Oudar, J. L., JOSA 68: 1638
- Batten, George W., Jr.**  
—; Everett, Robert L.: Control of film characteristics by modulating intensity and space (A), JOSA 68: 1407
- ; Everett, Robert L.: Control of film characteristics by modulating intensity and space (T), JOSA 68: 1118
- Bauche, J.** See Bauche-Arnoult, C., JOSA 68: 1136
- Bauche-Arnoult, C.**  
—; Sinzelle, J.; Bachelier, A.: Extensive theoretical analysis of the  $f^2d$  and  $f^3d$  configurations, application to  $4f^35d6s^2$  in Tb I, JOSA 68: 368
- ; Bauche, J.; Klapisch, M.: Mean wavelength and spectral width of transition arrays in XUV atomic spectra (TE) (L), JOSA 68: 1136
- Baudinet-Robinet, Y.** See Dumont, P. D., JOSA 68: 825; Garnier, H. P., JOSA 67: 751; Livingston, A. E., JOSA 66: 375, JOSA 66: 1393
- Bauer, A. C.** See Bell, Robert J., AO 14: 1322
- Bauer, G.** See Burkhard, H., JOSA 67: 943
- Bauer, George T.**  
Effect of bending on the power and longitudinal axial aberration of soft contact lenses (A), JOSA 67: 1395
- Experimental study of the bending-induced change of the power and longitudinal spherical aberration of soft contact lenses (A), JOSA 69: 1447
- Longitudinal spherical aberration of modern ophthalmic lenses and its effect on visual acuity (A), JOSA 68: 1439
- ; Lechner, H. B.: Measurement of the longitudinal spherical aberration of soft contact lenses (A), JOSA 68: 1375
- ; Lechner, H. B.: Measurement of the longitudinal spherical aberration of soft contact lenses (E), OL 4: 224
- Noise on nonimage areas in electrophotography (TE), AO 13: 1053
- Optical properties of soft contact lenses as a function of their water concentration (A), JOSA 69: 1447
- Perceived noise as the function of image size (A), JOSA 64: 1373
- Bauer, Glenn M.** See Frumkes, Thomas E., JOSA 65: 1205
- ; Frumkes, Thomas E.: Influence of rod adaptation upon rod-cone interaction (A), JOSA 69: 1453
- Bauer, Joseph A., Jr.** See Wolfe, Jeremy M., JOSA 69: 1423
- Bauer, R. S.**  
—; Spicer, W. E.; White, J. J., III: Kramers-Kronig analysis: revised optical constants, JOSA 64: 830
- Bauer, S. H.** See Devir, Adam D., JOSA 68: 679
- Baumann, W.**  
—; Blauer, J. A.; Zelazny, S. W.; Solomon, W. C.: Kinetic model and computer simulation of continuous wave  $\text{DF-CO}_2$  chemical transfer lasers (ET), AO 13: 2823
- Baumard, J. F.** See Gervais, F., JOSA 67: 255
- Baumeister, Philip W.** See Arnon, Oded, JOSA 67: 1430, JOSA 68: 1418, AO 17: 2913; Eastman, Jay M., JOSA 64: 1369; Lees, David, JOSA 67: 1430, OL 4: 66; Seligson, Joel, AO 18: 742; Smith, David, AO 18: 111; Ufford, Curtis, JOSA 64: 329
- ; Smith, David: Absorption of a weakly absorbing thin layer (T) (L), JOSA 68: 1284
- ; Moore, Robert; Walsh, Kenneth: Application of linear programming to antireflection coating design (T), JOSA 67: 1039
- Attainment of optimum reflectance for TM polarized flux in immersed multilayers (T) (L), AO 18: 942
- Beam dividers with  $180^\circ$  differential phase shift (A), JOSA 69: 1437
- ; Arnold, George P.; Edwards, David F.: Laser-damage resistant coatings for the  $16\text{-}\mu\text{m}$  region (E) (L), AO 17: 3858
- ; Pritts, James; Lees, David; Edwards, David F.: Multilayer dichroic mirrors for the  $16\text{-}\mu\text{m}$  spectral region: their design and fabrication (E), AO 18: 3127
- Optical interference coatings (R), AO 15: 2313
- Optics of Thin Films, An Optical Multilayer Theory. By Zdenek Knittl (B), JOSA 66: 979



- Physics of Thin Films, Advances in Research and Development, Volume 9. Edited by George Hass, Maurice H. Francombe, and Richard W. Hoffman (B), JOSA 68: 272
- Solar Heated Buildings, A Brief Survey, 12th Edition. By William A. Shurcliff (B), JOSA 66: 1443
- ; Arnon, Oded: Use of hafnium dioxide in multilayer dielectric reflectors for the near UV (E), AO 16: 439
- Baumgartner, Richard A.**
- ; Byer, Robert L.: Continuously tunable IR lidar with applications to remote measurements of SO<sub>2</sub> and CH<sub>4</sub> (E), AO 17: 3555
- ; Byer, Robert L.: Optical parametric amplifiers (A), JOSA 68: 688
- ; Warshaw, S.; Wolfe, D. C.; Byer, Robert L.: Remote air-pollution monitoring system using a tunable 1.4–4.0  $\mu$ m infrared source (A), JOSA 66: 386
- ; Byer, Robert L.: Remote SO<sub>2</sub> measurements at 4  $\mu$ m with a continuously tunable source (E), OL 2: 163
- Baummueller, Juergen.** See Wieser, Paul, AO 16: 2651
- Baures, P. Y.**
- ; Duvernoy, Jacques: Statistical spatial filtering: application to aerial photographs (ET), AO 17: 3395
- Bausman, M. D.**
- ; Liberman, I.; Swann, T. A.: Thermal pinhole detector for beam alignment of LASL eight-beam CO<sub>2</sub> laser system, helios (A), JOSA 68: 1441
- Bautz, Laura P.**
- Women in science and engineering; the future is now (N), AO 16: 529
- Baxter, B. S.** See Frost, R. L., AO 18: 2056
- Baxter, Brent G.**
- Color image processing based on a model of visual perception (A), JOSA 66: 1127
- Baxter, L. A.** See Ih, Charles S., JOSA 67: 1390, AO 17: 1447
- Baylor, Denis A.**
- Lateral interactions between vertebrate rods and cones (A), JOSA 66: 1074
- Beaglier, G. W.** See Stotts, L. B., AO 18: 978
- Beaglehole, D.** See Buckley, R. G., AO 16: 2495
- Bean, Brent L.** See Amirtharaj P. M., JOSA 67: 939; Caudle, George F., JOSA 64: 553; Simpson, O. A., JOSA 69: 1723
- ; Perkowitz, S.: Far infrared transmission measurements with an optically pumped FIR laser (E) (L), AO 15: 2617
- ; Perkowitz, S.: Frequency coverage for submillimeter laser spectroscopy with optically pumped CH<sub>3</sub>OH, CH<sub>3</sub>OD, CD<sub>3</sub>OD, and CH<sub>2</sub>CF<sub>2</sub> (E), OL 1: 202
- ; Perkowitz, S.: Submillimeter-far-infrared spectroscopy in the liquid and solid states with a tunable optically pumped laser (E), JOSA 67: 911
- Beardall, J. S.** See Lucht, R. A., OL 4: 216
- Beare, Arthur N.** See Kinney, Jo Ann S., JOSA 69: 106
- Beattie, Willard H.** See Maier, William B., II, JOSA 68: 1643
- Beatty, W. J.** See Corwin, Thomas R., JOSA 69: 1445
- Beauchamp, William T.** See Rancourt, James D., JOSA 69: 1472
- Beaulieu, M.** See Zimmerman, J., JOSA 64: 1369
- Beaulieu, R.** See Blanchard, M., JOSA 67: 1434; Cormier, M., AO 17: 3622; Langlois, Pierre, JOSA 65: 1167, JOSA 67: 87; Rioux, Marc, AO 16: 1876, AO 17: 3864
- ; Lessard, Roger A.; Cormier, M.; Blanchard, M.; Rioux, Marc: Holographic recording on Takiwax films at 10.6  $\mu$ m (A), JOSA 67: 1434
- ; Lessard, Roger A.; Blanchard, M.; Cormier, M.: Infrared (10- $\mu$ m) photography on wax films (E) (L), AO 18: 3076
- ; Blanchard, M.; Cormier, M.; Lessard, Roger A.: Pulsed infrared holography on wax films (A), JOSA 68: 1442
- ; Cormier, M.; Blanchard, M.; Rioux, Marc; Lessard, Roger A.: Pulsed IR holography on Takiwax films (E), AO 17: 3619
- Beaumont, J. H.** See Grime, G. W., AO 14: 2317
- Beaupere, D.** See Farcy, J. C., JOSA 68: 549
- Bebel, Donald J.**
- ; Quick, R. Frank, Jr.: Random pattern generation using coherent optical spatial filtering, AO 18: 2830
- Bechai, N. R. L.**
- ; Hallett, Peter E.: Measurement of the rotation of a disk from its elliptical projection, with an application to eye movements (T), JOSA 67: 1336
- Becher, J.** See Bartusiak, M. F., AO 18: 3342
- Becherer, Richard J.**
- ; Veldkamp, Wilfrid B.: Periodic structures for heterodyne array detection (A), JOSA 68: 1441
- Bechtel, J. H.** See Lotem, Haim, JOSA 66: 78
- ; Teets, R. E.: Hydroxyl and its concentration profile in methane-air flames (A), JOSA 69: 1480
- ; Teets, R. E.: Hydroxyl and its concentration profile in methane-air flames (E), AO 18: 4138
- Temperature measurements of OH and N<sub>2</sub> in premixed laminar flames by laser techniques (A), JOSA 68: 1403
- Temperature measurements of the hydroxyl radical and molecular nitrogen in premixed, laminar flames by laser techniques (E), AO 18: 2100
- Beck, Cyrus**
- Definition weaknesses in atmospheric experiments in low visibility atmospheres (T) (L), AO 17: 3029
- Beck, G.**
- ; Reizler, W.: Remarks on the quantum theory of the absolute zero of temperature, AO 16: 2971
- Becker, H.** See Fercher, A. F., AO 18: 2427
- Becker, K. H.**
- ; Schurath, U.; Tatarczyk, T.: Fluorescence determination of low formaldehyde concentrations in air by dye laser excitation (E), AO 14: 310
- Becker, Michael F.** See Knopp, Jerome, AO 17: 984, AO 17: 1669; Zwernemann, Steven M., AO 18: 728
- Correcting inherent aberrations in the grating rhomb beam sampler (T), AO 18: 4178
- ; Knopp, Jerome: Laser beam sampling with grating rhombs (A), JOSA 68: 1405
- Becker, Richard A.** See Loh, K. W., JOSA 66: 290
- ; Chang, William S. C.: Electro-optical switching in thin film waveguides for a computer communication bus (A), JOSA 68: 1360
- ; Chang, William S. C.: Electrooptical switching in thin film waveguides for a computer communication bus (E), AO 18: 3296
- ; Chang, William S. C.; Muller, M. W.: Evaluation of optical heterodyne detectors at 5145 Å (E) (L), AO 16: 1810
- ; Sopori, B. L.; Chang, William S. C.: Focused laser lithographic system (E), AO 17: 1069
- Becker, W.**
- Saccadic branch of the oculomotor apparatus: A dead-time system with predictive control (A), JOSA 67: 1414
- Beckers, Jacques M.**
- ; Woolf, N. J.: Experiences with the multiple mirror telescope (A), JOSA 69: 1436
- ; Dickson, Larry; Joyce, Randy S.: Observing the sun with a fully tunable Lyot-Ohman filter (E), AO 14: 2061
- Beckett, Paul J.** See Candell, Lloyd M., JOSA 66: 389
- Beckman, J. E.** See Baluteau, J. P., AO 16: 1834
- ; Harries, J. E.: Submillimeter-wave atmospheric and astrophysical spectroscopy (R), AO 14: 470
- Beddoes, D. R.**
- ; Dainty, J. Christopher; Morgan, B. L.; Scaddan, R. J.: Speckle interferometry on the 2.5 m Isaac Newton telescope (A), JOSA 66: 181
- ; Dainty, J. Christopher; Morgan, B. L.; Scaddan, R. J.: Speckle interferometry on the 2.5 m Isaac Newton telescope (ET), JOSA 66: 1247
- Beddoes, Michael P.** See Bage, Marc J., AO 15: 2632, AO 15: 2830, AO 16: 1143; Ghande-Harian, Hossein, JOSA 69: 1416
- Bedell, Harold E.** See Enoch, Jay M., JOSA 67: 1362
- ; Enoch, Jay M.: Study of the Stiles-Crawford (S-C) function at 35° in the temporal field and the stability of the foveal S-C function peak over time (E), JOSA 69: 435
- Bedford, R. E.**
- ; Ma, C. K.: Emissivities of diffuse cavities: isothermal and nonisothermal cones and cylinders, JOSA 64: 339
- ; Ma, C. K.: Emissivities of diffuse cavities. II: Isothermal and nonisothermal cylindro-cones (T), JOSA 65: 565
- ; Ma, C. K.: Emissivities of diffuse cavities. III. Isothermal and nonisothermal double cones (T), JOSA 66: 724
- Bednarik, J.** See Res, M. A., AO 16: 1908
- Beby, J. L.**
- Electron Spin Relaxation in Liquids. Edited by L. T. Muus and P. W. Atkins (B), AO 13: 1532
- Beer, Reinhard.** See Norton, Robert H., JOSA 66: 259, JOSA 67: 419; Taylor, F. W., AO 18: 3893
- Jupiter has ethane and acetylene (errata), AO 13: 11A18
- Paraxial ray analysis of a cat's-eye retroreflector: comments (TE) (L), AO 15: 856
- Beeson, David E.** See Schuerman, Donald W., AO 16: 1591; Weinberg, J. L., AO 15: 2620
- Begel, J.** See Mouchart, Jacques, AO 18: 1226
- Beggs, Joseph Stiles**
- Mirror-image kinematics (T) (L), JOSA 65: 1517
- Begley, D. L.** See Bell, Robert J., AO 14: 1322, AO 14: 1579; Davarpanah, M., AO 15: 3066; Gobin, C. A., AO 13: 2757, AO 14: 1481; Miller, R., AO 16: 3077
- ; Bryan, D. A.; Alexander, R. W.; Bell, Robert J.: Optimization of prism coupling efficiency for surface electromagnetic wave excitation in the infrared (E), AO 16: 1549
- Begley, Richard F.** See Jenssen, H. P., JOSA 66: 384; Radziemski, Leon J., Jr., OL 3: 241
- Behn, R.**
- ; Doebele, H. F.: Fabry-Perot recycling spectrometer (E), AO 15: 1850
- Behring, William E.** See Cohen, Leonard, JOSA 66: 899
- Numerical procedures for determining lines and levels in the Na I isoelectronic sequence (A), JOSA 65: 1188
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- Behringer, K.** See Ott, William R., AO 14: 2121
- ; Thoma, P.: Vacuum ultraviolet radiometry below 100 nm: the high-power hydrogen arc as a standard source of continuum radiation between 53 nm and 92 nm (E), AO 18: 2586
- Beigang, R.**
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- Beiser, Leo**
- Augmented laser scan equations (T) (L), AO 17: 1161
- Holographic scan aberration correction: a clarification (TE) (L), AO 16: 2361
- Self-tracking optical data storage and retrieval system (A), JOSA 69: 1481
- Beisser, F. A.** See Fork, R. L., AO 17: 3534
- Beiting, E. J., III.** See Benesch, W., JOSA 68: 432; Jones, C. C., JOSA 67: 1431
- ; Feldman, P. D.: Fabrication and performance of intrinsic germanium photodiodes (E) (L), AO 16: 800
- Bekov, G. I.**
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- Belanger, D.** See Rioux, Marc, AO 16: 1876
- Belanger, L. J.** See Brueck, S. R. J., JOSA 69: 1471
- Belanger, Pierre R.**
- Linear-programming approach to color-recipe formulations (T), JOSA 64: 1541
- Belanger, Pierre-Andre.** See Bernard, P., JOSA 68: 1394, OL 4: 196; Piche, Michel, JOSA 67: 1404, JOSA 68: 1394, JOSA 68: 1395; Rioux, Marc, AO 16: 1791, AO 17: 1409
- ; Rioux, Marc: Ring pattern of a lens-axicon doublet illuminated by a Gaussian beam (TE), AO 17: 1080
- Bell, A. E.**
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- ; Bartolini, R. A.; Bloom, Allen; Spong, F. W.: Optical and thermal aspects of the design of laser recording structures (A), JOSA 67: 1403
- Bell, C. E.**
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- Bell, Ely E.** See Smith, B. Thomas, JOSA 65: 605; Yamamoto, Junya, JOSA 64: 880
- Bell, I. D.** See Taylor, M. J., AO 17: 885
- Bell, M. I.**
- ; Tyte, R. N.: Pulsed dye laser system for Raman and luminescence spectroscopy (E), AO 13: 1610
- Bell, Robert J.** See Begley, D. L., AO 16: 1549; Miller, R., AO 16: 3077; Ward, C. A., JOSA 65: 1195; AO 13: 2378
- ; Tyler, I. L.; Alexander, R. W.: Increased power from a tunable coherent source (A), JOSA 65: 1180
  - ; Davarpanah, M.; Goban, C. A.; Begley, D. L.; Bhasin, K.; Alexander, R. W.: Measurements of standing waves and the absorption coefficients of various materials with surface electromagnetic waves on Al (E), AO 14: 1579
- Spectrophysics.** By Anne P. Thorne (B), JOSA 65: 969
- ; Goban, C. A.; Davarpanah, M.; Bhasin, K.; Begley, D. L.; Bauer, A. C.: Two-dimensional optics with surface electromagnetic waves (E), AO 14: 1322
- Bell, Steven V.**
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- Belland, P.**
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  - ; Veron, D.; Whitbourn, L. B.: Scaling laws for cw 337- $\mu$ m HCN waveguide lasers (E), AO 15: 3047
- Bellani, V. Fossati**
- ; Sona, A.: Measurement of three-dimensional displacements by scanning a double-exposure hologram (E), AO 13: 1337
- Bellavance, D. W.**
- ; Campbell, J. C.: Mesa lasers with room temperature operation grown by selective liquid-phase epitaxy (A), JOSA 66: 293
- Bellay, J. A.** See Wiggins, T. A., AO 17: 526, AO 17: 3706
- Bellon, F.** See Megusar, R., JOSA 65: 22
- Belorgeot, C.** See Kachmarsky, J., AO 15: 708
- Belov, V. V.**
- ; Krëkov, G. M.: Effect of multiple scattering on the point-spread functions and modulation-transfer functions of the aerosol atmosphere in the problems of space-meteorological photography (T), OL 4: 158
- Bemis, C. E., Jr.** See Kramer, S. D., JOSA 68: 657, OL 3: 16
- Benard, C.**
- ; Rousseau, M.: Statistical properties of synchrotron radiation (T), JOSA 64: 1433
- Benard, D. J.**
- ; McDermott, W. E.; Bousek, R. R.; Pchelkin, N. R.: Chemically pumped cw iodine laser (A), JOSA 68: 652
- Introduction to Gas Lasers: Population Inversion Mechanisms.** By C. S. Willett (B), AO 14: 2312
- ; Love, P. J.; Lee, P. H.; Slafer, W. D.: Modulated transmission spectroscopy of gaseous chemi-excited Ca and Sr monoxides (E), AO 16: 2108
- Benary, Vili.** See Riva, Charles E., AO 18: 2301
- Ben-Aryeh, Y.**
- ; Molecular ionization by absorption of spontaneous emission (T), OL 2: 154
- Benci, S.**
- ; Benedetti, P. A.; Manfredi, M.: Simple device for photomultiplier cooling (E) (L), AO 13: 1554
- Bender, C. F.** See Hackel, L. A., JOSA 69: 230
- ; Hazi, A.; Orel, A.; Rescigno, T.; Winter, N.: Theoretical studies involving candidate group via laser systems (A), JOSA 68: 548
- Bender, M. L.**
- ; Callaway, P. W.; Chase, Stillman C., Jr.; Moore, G. F.; Ruiz, R. D.: Infrared radiometer for the Pioneer 10 and 11 missions to Jupiter (E), AO 13: 2623
- Bendinelli, M.**
- ; Consortini, Anna; Ronchi, Laura; Frieden, B. Roy: Degrees of freedom, and eigenfunctions, for the noisy image (T), JOSA 64: 1498
- Bendow, Bernard.** See Hass, Marvin, JOSA 67: 253, AO 16: 2882; Lipson, Herbert G., AO 15: 2352; Martin, J. J., JOSA 67: 253; Skolnik, Lyn H., AO 13: 726; Tzozar, Narkis, JOSA 68: 1359; Yukon, Stanford P., JOSA 68: 1360, OL 2: 75
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  - ; Skolnik, Lyn H.; Cross, Edward F.: Investigations of laser-induced thermal lensing and interference from infrared transmitting materials (E) (L), AO 13: 729
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  - ; Lipson, Herbert G.; Yukon, Stanford P.: Residual lattice absorption in semiconducting crystals: frequency and temperature dependence (ET), AO 16: 2909
- Semiconductor Physics.** By K. Seeger (B), AO 13: 8A18
- ; Gianino, Peter D.: Theory of nonlinear pulse propagation in inhomogeneous waveguides (T), OL 4: 164
- Benedek, George B.** See Tanaka, Toyochi, AO 14: 189
- ; Applications of optical mixing spectroscopy to problems in medicine and biology (A), JOSA 65: 1162
- Benedetti, P. A.** See Benci, S., AO 13: 1554
- ; Bianchini, G.; Chiti, G.: Fast scanning microspectroscopy: an electrodynamic moving-condenser method (E), AO 15: 2554
- Benedict, G.** See Diels, J.-C., JOSA 68: 666
- Benedict, W. S.** See Rothman, L. S., AO 17: 2605
- Benesch, W.** See Dick, K. A., JOSA 67: 1431; Jones, C. C., JOSA 66: 1064, JOSA 67: 1431
- ; Jones, C. C.; Beiting, E. J., III; Feldman, P. D.: High-resolution electronic emission spectrum of molecular nitrogen at 15300 Å (E), JOSA 68: 432
  - ; Measurement of oscillator strengths for the  $W^3\Delta_u \rightarrow X^1\Sigma_g^+$  band system of molecular nitrogen (A), JOSA 68: 1402
  - ; Rivers, B.: Near-infrared spectrum of the ionic molecular nitrogen Meinel system  $A^2\Pi_u \rightarrow X^2\Sigma_g^+$  (A), JOSA 69: 1459
- Bengtson, A.** See Alvarez, E., OL 4: 268
- Benjamin, Robert F.** See Pearlman, Jay S., AO 16: 94; vanHulsteyn, David B., OL 1: 76
- ; Goldstone, Philip D.; Carpenter, James P.: Direct measurement of the accuracy of CO<sub>2</sub> laser alignment on target (E), AO 17: 3809
  - ; White, Larry: Measurement of alignment accuracy for laser fusion experiments (E) (L), AO 17: 1160
  - ; Riffle, James H.: Optical measurements of energy transport in laser plasmas (A), JOSA 69: 1408
  - ; Lyons, Peter B.; Day, Robert H.: X-ray calibration of RAR 2490 film for application to laser plasma experiments (E), AO 16: 393
- Benko, John W.** See Draper, Clifton W., JOSA 69: 1469, AO 18: 3205
- Benmair, R. M. J.**
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- Benner, R. E.** See Chang, R. K., JOSA 68: 1452; Lee, El-Hang, AO 17: 1980, AO 18: 862
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- Bennett, H. E.** See Porteus, J. O., AO 15: 2024
- Applied Physics (new journal) (B), AO 13: 212**
- ; Characterization of optical thin films and surfaces (A), JOSA 69: 1426
  - ; Evaluation of high-energy-laser mirror surfaces (A), JOSA 64: 536
- Laser Window and Mirror Materials.** By G. C. Battle, Tom Connolly, and Anne M. Keesee (B), AO 17: 2126
- ; Bennett, Jean M.; Elson, J. M.; Decker, D. L.: Light scattering from surfaces of infrared optical components (A), JOSA 67: 254
  - ; Bennett, Jean M.; Kyser, D. S.: Low-thermal-emittance coatings for efficient solar-power generation (A), JOSA 64: 1361
- Mirrors, windows, and coatings for high-power ultraviolet lasers (A), JOSA 68: 1393**
- Bennett, Harold F.**
- ; Three-color achromatism in the extended visible range (A), JOSA 67: 1428
- Bennett, Herbert S.** See Rosasco, Gregory J., JOSA 68: 1242
- ; Cantrell, Cyrus D.: Absorbing precipitates in cadmium telluride: estimates for catastrophic laser-damage thresholds (A), JOSA 67: 254
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  - ; Forman, Richard A.: Absorption coefficients in highly transparent solids: barothermal theory for cylindrical configurations (T), AO 14: 3031
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  - ; Forman, Richard A.: Photoacoustic methods for measuring surface and bulk absorption coefficients in highly transparent materials: theory of a gas cell (T), AO 15: 2405
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- Rosasco, Gregory J.: Resonances in the efficiency factors for absorption: Mie scattering theory (T) (L), AO 17: 491**
- Bennett, J. S.** See George, Nicholas, JOSA 66: 1282
- Bennett, Jean M.** See Anderson, R. H., JOSA 68: 1397; Bennett, H. E., JOSA 64: 1361, JOSA 67: 254; Elson, J. M., JOSA 69: 31; Wong, Shew M., JOSA 69: 1460
- Interferometry for determining the rms roughness, autocovariance function, and other statistical properties of optical surfaces (A), JOSA 64: 1362**
- Introduction to Thin Films.** By L. I. Maissel and M. H. Francombe (B), AO 14: A97
- ; Measurement of the rms roughness, autocovariance function and other statistical properties of optical surfaces using a FECC scanning interferometer (E), AO 15: 2705
  - ; Measurement of the roughness and autocovariance function of optical surface using a FECC scanning interferometer (A), JOSA 64: 536
  - ; Surface evaluation techniques and surface statistics for infrared optical materials (A), JOSA 67: 254
- Bennett, R. J.** See Shiren, N. S., JOSA 68: 690
- Bennett, Seton J.** See Cerez, Pierre, AO 18: 1079
- ; Achromatic combinations of hologram optical elements (T), AO 15: 542
  - ; Modification of inexpensive multimode lasers to produce a stabilized single frequency beam. 2: Reply (E) (L), AO 13: 231
- Bennett, Victor P.** See Horwitz, Bruce A., JOSA 69: 1455
- Bennett, W. R., Jr.** See Carlin, D. B., AO 15: 2020; Donnelly, Keith E., JOSA 65: 1359
- Deconvolution of spectral lines by Fourier analysis (ET) (L), AO 17: 3344**
- Benolken, R. M.**
- ; Wheeler, Thomas G.: Functional and chemical relations in photoreceptor membranes (A), JOSA 64: 1379
- Ben-Sira, Isaac.** See Riva, Charles E., AO 14: 2691
- Benson, Robert.** See Crawford, James R., AO 15: 24
- Benson, W. W.** See Ostermayer, F. W., Jr., AO 13: 1900
- ; Pinnow, D. A.; Rich, T. C.: Coupling efficiency between GaAlAs laser and low loss optical fibers (E) (L), AO 14: 2815
  - ; Mackenzie, D. R.; Rich, T. C.; Camlibel, I.: Fiberguide to metal hermetic seal (E) (L), AO 17: 2271
  - ; Mackenzie, D. R.: Optical fiber vacuum chuck (E) (L), AO 14: 816
- Bentley, Cleo L., Jr.**
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- Benton, Jeanne L.** See McCann, John J., *JOSA* 65: 1200
- ; McCann, John J.: Variegated color sensations from rod-cone interactions: Flicker-fusion experiments (E) (L), *JOSA* 67: 119
- Benton, Stephen A.**  
Achromatic images from white-light transmission holograms (A), *JOSA* 68: 1441  
Distortions in cylindrical holographic stereogram images (A), *JOSA* 68: 1440  
Holography 1975: the first decade, from the inside looking out (L), *AO* 14: 2795  
Intra-emulsion diffusion-transfer processing of volume dielectric holograms (A), *JOSA* 64: 1393  
Perception of gradients of retinal disparity (A), *JOSA* 64: 554  
Physics of image recording and reproducing, APS-NYS Fall meeting, Rochester, 10-11 Oct 1975 (M), *AO* 15: 594
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- Benza, V. G.** See Narducci, Lorenzo M., *JOSA* 68: 1420
- Benzschawel, Terry L.** See Guth, Sherman L., *JOSA* 66: 1103
- ; Guth, Sherman L.: Postreceptor adaptation in dichromats (A), *JOSA* 69: 1420
- Beran, D.**  
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- Beran, Mark J.** See Whitman, Alan M., *JOSA* 65: 765
- ; Whitman, Alan M.: Free-space propagation of irradiance fluctuations and the fourth-order coherence function (T), *JOSA* 64: 1636
- ; Whitman, Alan M.: Scattering of a finite beam in a random medium with a non-homogeneous background (A), *JOSA* 64: 546
- Berg, Jacqueline O.**  
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- Berg, M. F.** See Vali, V., *AO* 16: 2605
- Berg, N. J.**  
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- Bergemann, Richard J.** See Roberts, Robert E., *JOSA* 68: 541; Sola, Marcos C., *JOSA* 68: 541
- ; Sola, Marcos C.; Roberts, Robert E.: Aerosol propagation under limited visibility conditions: field validation (A), *JOSA* 68: 541
- Bergen, J. R.**  
—; Wilson, Hugh R.; Cowan, J. D.: Further evidence for four mechanisms mediating vision at threshold: sensitivities to complex gratings and aperiodic stimuli (ET), *JOSA* 69: 1580
- Bergen, Richard F.**  
Fiber optic faceplate excited Ruticon color image reproduction system (E) (L), *AO* 14: 1770
- Berger, A.**  
—; Strocka, D.: Assessment of the ultraviolet range of artificial light sources for the best fit to standard illuminant D65 (T), *AO* 14: 726
- Berger, Paul J.** See Buser, Rudolf G., *JOSA* 66: 78, *AO* 14: 2740  
Thermal blooming due to a stagnation zone: scaling law for the quasi-steady state (A), *JOSA* 65: 1191  
—; Ulrich, Peter B.; Ulrich, Jeanne T.; Gebhardt, Frederick G.: Transient thermal blooming of a slanted laser beam containing a region of stagnant absorber (TE), *AO* 16: 1114
- Berger, Roger H.** See Homstad, Gerald E., *JOSA* 64: 162
- Berger, S. P.** See Huang, Thomas S., *JOSA* 65: 1203, *AO* 14: 1165
- Berger, Steven B.**  
Computations for Twersky's theory of corneal transparency based on Hart-Farrell's swelling pressure (T) (L), *JOSA* 66: 864
- Bergkvist, Karl-Erik**  
High-intensity method for beam-foil spectroscopy, with retained spatial resolution along the beam (E), *JOSA* 66: 837
- Bergman, J. G.**  
Principles and Applications of Ferroelectrics and Related Materials. By M. E. Lines and A. M. Glass (B), *AO* 17: 3189
- Bergmann, Ernest E.** See Feldman, B. J., *JOSA* 68: 1628; Fisher, Robert A., *JOSA* 68: 1367  
—; Bigio, Irving J.; Feldman, B. J.; Fisher, Robert A.: High-efficiency pulsed 10.6- $\mu$ m phase-conjugate reflection via degenerate four-wave mixing (E), *OL* 3: 82  
Real-time holographic motion picture camera capable of recording front surface detail from a random velocity vector: comments (T) (L), *AO* 13: 1551
- Bergmann, U.**  
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- Bergou, J.** See Rozsa, K., *JOSA* 68: 717
- Bergquist, J. C.** See Barger, R. L., *JOSA* 68: 1634
- Bergstein, Leonard.** See Hu, Erh-Wen, *JOSA* 66: 1102  
Modes of active optical resonators (A), *JOSA* 67: 1391  
—; Hu, Erh-Wen: Modes of active unstable optical resonators (A), *JOSA* 65: 1208  
—; Hu, Erh-Wen: Polarization-independent all-dielectric beamsplitter (A), *JOSA* 66: 1096
- Bergsten, Ronald**  
Optical simulation of electron diffraction of thin crystals (ET), *JOSA* 64: 1309  
—; Popelka, Susan Huberty: White-light Fraunhofer diffraction (TE), *JOSA* 69: 584  
—; Huberty, Susan: White-light Fresnel diffraction by a circular aperture (TE), *JOSA* 67: 643
- Berkbigler, L.** See Gagnon, W. J., *JOSA* 68: 548
- Berkley, D. A.**  
Robust fiber-optic interconnecting wires using redundancy (T), *AO* 14: 1228
- Berkowitz, J.** See Radler, K., *JOSA* 68: 1181
- Berman, P. R.** See Liao, P. F., *JOSA* 68: 1412, *JOSA* 69: 1397
- Bermudez, Victor M.**  
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- Bernabe, Mike L.** See Murphy, W. D., *AO* 17: 2358; Shellan, Jeffrey B., *JOSA* 69: 1466
- Bernabeu, E.**  
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- Bernal G., Enrique.** See Chen, D., *JOSA* 66: 1102; Emmel, P. M., *JOSA* 68: 1416; Haskal, Haim M., *AO* 13: 866; Leung, K. M., *JOSA* 68: 1416; Moravec, T. J., *JOSA* 67: 1443, *AO* 17: 1938, *AO* 18: 105  
Heat flow analysis of laser absorption calorimetry (T), *AO* 14: 314  
Heat-loss effects in laser absorption calorimetry (A), *JOSA* 64: 1404  
Infrared transparent materials and components (A), *JOSA* 66: 383  
—; Standke, W. W.; Southworth, Glen: Interactive video digitizer for interferogram analysis (A), *JOSA* 66: 1117  
—; McClellan, Rolf P.: Tunable linearly polarized TEM<sub>00</sub> operation of CO<sub>2</sub> laser with a concave diffraction grating (E) (L), *AO* 15: 2956
- Bernard, Gary D.**  
Noninvasive microspectrophotometry of butterfly photoreceptors (A), *JOSA* 67: 1362  
Noninvasive optical probe of the invertebrate eye (A), *JOSA* 66: 1120  
Optical physiology: a technique for isolation of pupillary responses from single types of insect photoreceptors (A), *JOSA* 68: 1427
- Bernard, P.**  
—; Oka, Takeshi: Overtone spectra of PH<sub>3</sub> using tunable infrared source (A), *JOSA* 67: 1440  
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- Bernhard, Manfred.** See Riegl, Johannes, *AO* 13: 931
- Bernhardt, Anthony F.**  
—; Teller, Edward: Adiabatic excitation of colliding molecules and its application to isotope separation (A), *JOSA* 68: 685  
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- Berreman, Dwight W.**  
Doubly curved crystal point-focusing x-ray monochromators (A), *JOSA* 66: 1136  
—; Stamatoff, J.; Kennedy, S. J.: Doubly curved crystal point-focusing x-ray monochromators: geometrical and practical optics (TE), *AO* 16: 2081
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Practical application of light and color to human environment (A), *JOSA* 64: 538
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Splicing silica fibers with an electric arc (E), *AO* 15: 796
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End messy Polaroid print coaters (L), *AO* 17: 1155
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Pulsed sandwich hologram interferometry (A), *JOSA* 67: 1433  
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Effects of reduced lighting levels upon visual performance (A), *JOSA* 64: 1374  
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Accommodative optical model of the human eye with gradient index lens (A), *JOSA* 69: 1441  
Fundamentals of Optics. By Francis A. Jenkins and Harvey E. White (B), *JOSA* 67: 574  
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- Blanchard, A. J.** See Wilhelm, G. J., *JOSA* 65: 1036  
—; Hulse, W. C.; Schell, J. A.; Rouse, J. W., Jr.: Active spill-detection pollution monitoring system (A), *JOSA* 66: 386  
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- Blanchard, M.** See Beaulieu, R., *JOSA* 67: 1434, *JOSA* 68: 1442, *AO* 17: 3619, *AO* 18: 3076; Cormier, M., *AO* 17: 3622; Langlois, Pierre, *JOSA* 65: 1167, *JOSA* 67: 87; Rioux, Marc, *AO* 16: 1876, *AO* 17: 3864  
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- Blancher, H.** See Mas, G., *AO* 13: 2771
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- Blass, W. E.** See Halsey, G., *AO* 16: 286; Jennings, D. E., *AO* 15: 836, *AO* 15: 864
- Blaszczak, Z.** See Garrison, L. M., *JOSA* 69: 1411
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- Blauer, J. A.** See Baumann, W., *AO* 13: 2823; Zelazny, S. W., *AO* 15: 1164
- Blazej, Daniel C.** See Peticolas, Warner L., *JOSA* 68: 1433
- Bleach, R. D.**  
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- Bleicher, M.** See Preier, H., *JOSA* 66: 384
- Blevin, W. R.**  
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Rights to sunshine (L), *AO* 15: 1890
- Blick, Dennis W.** See Kaiser, Peter K., *JOSA* 67: 1379  
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Psychophysics, Method and Theory. By George A. Gescheider (B), *JOSA* 67: 985
- Blink, J. A.** See Maniscalco, James A., *JOSA* 68: 546
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- Blit, S.** See Halbout, J. M., *JOSA* 69: 1464; Kasper, J., *JOSA* 68: 1357; Pollock, C. R., *AO* 18: 1907; Stickel, R. E., Jr., *AO* 17: 2270  
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- Bloch, S. C.** See Muffoletto, C. Verne, *JOSA* 66: 1124
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- Blodgett, Jerry.** See DuPre, Elsie, *AO* 13: 1983
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Interference effects in three- and four-wave light mixing (A), *JOSA* 68: 662  
Laser-induced electric breakdown (A), *JOSA* 64: 535  
Radiative interference in two-photon processes (A), *JOSA* 67: 1398
- Bloetckjaer, K.**  
Limitations on holographic storage capacity of photochromic and photorefractive media (T), *AO* 18: 57
- Bloom, Allen.** See Bartolini, R. A., *JOSA* 66: 1084, *AO* 15: 1261, *AO* 15: 2628; Bell, A. E., *JOSA* 67: 1403; Weakliem, H. A., *AO* 14: 560  
—; Burke, W. J.: Sensitization of dichromated-poly(vinyl alcohol) to visible laser wavelengths (E), *AO* 16: 2614
- Bloom, Arnold L.** See Costich, Verne R., *JOSA* 64: 548, *JOSA* 64: 1384  
—; Fischer, Dennis: Computer design of masks for coating tanks with planets (A), *JOSA* 69: 1438  
—; Costich, Verne R.: Designs to reduce the angle shift of multilayer dielectric edge and bandpass filters (A), *JOSA* 65: 1195  
—; Costich, Verne R.: Herpin indices of symmetrical thin-film stacks in the high-reflectance zone (errata, p. 1155) (A), *JOSA* 64: 548  
Modes of a laser resonator containing tilted birefringent plates (T), *JOSA* 64: 447  
Optical Methods of Radio-Frequency Spectroscopy. By Ion I. Agarbiceanu and Ion M. Popescu (B), *JOSA* 66: 504  
Principles of Magnetic Resonance, 2nd Revised and Expanded Edition. By C. P. Slichter (B), *JOSA* 69: 922  
—; Fischer, Dennis: Thin-film optimization by group thicknesses (A), *JOSA* 67: 1429  
Very High Resolution Spectroscopy. Edited by R. A. Smith (B), *JOSA* 67: 127



- Bloom, David M.** See Liao, P. F., OL 3: 4; Mollenauer, L. F., OL 3: 48, OL 4: 247
- ; Bjorklund, Gary C.: Conjugate wave-front generation and image reconstruction by four-wave mixing (A), JOSA 67: 1396
- ; Mollenauer, L. F.; Lon, Chinlon; Taylor, D. W.; DelGaudio, A. M.: Direct demonstration of distortionless picosecond-pulse propagation in kilometer-length optical fibers (E), OL 4: 297
- ; Bjorklund, Gary C.; Liao, P. F.: Direct wave-front conjugation by degenerate four-wave mixing (A), JOSA 68: 1367
- ; Smith, P. W.; Tomlinson, W. J.: Measurement of optical Kerr susceptibility of long-chain molecules (A), JOSA 68: 645
- ; Liao, P. F.; Economou, N. P.: Observation of amplified reflection by degenerate four-wave mixing in atomic sodium vapor (E), OL 2: 58
- ; Liao, P. F.; Economou, N. P.: Optical wave-front conjugation by saturated absorption in atomic sodium vapor (A), JOSA 68: 689
- Bloom, Louis R.** See Wei, David T. Y., JOSA 64: 1366
- ; Wei, David T. Y.; Lee, William W.: Optical-waveguides formation by ion implantation and by sputtering (A), JOSA 64: 524
- Bloom, Marie B.** See Armington, John C., JOSA 64: 1263
- Bloss, W. H.** See Reinhardt, E. R., JOSA 66: 169
- Blum, F. A.**
- ; Lawley, K. L.; Doerbeck, F. H.; Holton, W. C.: Ga<sub>1-x</sub>In<sub>x</sub>As mesa lasers with grown optical facets (A), JOSA 64: 1368
- ; Campbell, J. C.: Monolithic GaAs circuit elements for integrated optics (A), JOSA 66: 288
- Blumberg, W. A. M.**
- ; Jopson, R. M.; Larson, D. J.: Precision laser photodetachment spectroscopy in magnetic fields (A), JOSA 68: 624
- Blyler, L. L., Jr.** See Kaiser, P., JOSA 64: 526, AO 14: 156
- Boakes, E.** See Ih, Charles S., JOSA 69: 1403
- Bobb, Lloyd C.**
- ; Ferguson, Gerald; Rankin, Michael: Capillary wave measurements (E), AO 18: 1167
- Bobbs, Bradley L.** See Harrington, James A., AO 17: 1541
- Bobek, A. H.**
- Magnetic-Bubble Memory Technology. By Hsu Chang (B), AO 18: 3850
- Boccacini, L.** See Costa, E., AO 17: 621
- Bochove, Erik.** See Barbosa, F. R., JOSA 68: 1383
- Geometrical optics field of general optical systems (T), JOSA 69: 891
- Bock, G. F.** See Walker, T. W., AO 16: 1342
- Bocker, Richard P.**
- Matrix multiplication using incoherent optical techniques (TE), AO 13: 1670
- Bodhaine, Barry A.**
- Measurement of the Rayleigh scattering properties of some gases with a nephelometer (E), AO 18: 121
- Bodinger, Deborah M.** See Kaiser, Peter K., JOSA 66: 818
- Bodlaj, V.**
- ; Klement, E.: Remote measurement of distance and thickness using a deflected laser beam (TE), AO 15: 1432
- Bodner, S. E.** See McMahon, G. M., JOSA 68: 542; Phipps, Claude R., Jr., JOSA 64: 565, AO 14: 985
- Inertial confinement fusion at NRL (A), JOSA 68: 548
- Boelger, B.**
- Continuous wave parametric wave-front conjugation and reproduction in sodium vapor by evanescent pump fields (A), JOSA 68: 1622
- Boer, A. G.** See Ernst, G. J., JOSA 68: 673
- Boerner, Wolfgang-M.** See Gassend, Max L. A., JOSA 66: 384; Ghandeharian, Hossein, JOSA 67: 1433, JOSA 68: 931; Gough, Peter T., JOSA 69: 1212; Mintz, G. D., AO 14: 564
- Boese, Robert W.** See Blatherwick, R. D., AO 18: 3798; Valero, Francisco P. J., JOSA 66: 1094, JOSA 68: 1403
- Boettner, J. C.** See Glasser, J., AO 17: 3750
- Bogenberger, R.** See Born, G. K., AO 14: 2857
- Bohache, James J.**
- ; Moore, Duncan T.: Computer simulation of the optical polishing process (A), JOSA 67: 1378
- Bohachevsky, I. O.** See Booth, L. A., JOSA 68: 546
- ; Frank, T. G.: Containment vessel structural design considerations (A), JOSA 68: 546
- Bohandy, J.** See Kim, B. F., JOSA 65: 1164
- Bohlin, Ralph**
- American Astronomical Society 142nd meeting, Univ. Nebraska, 26-29 Mar 1974 (M), AO 13: 1538
- Bohren, Craig F.**
- ; Herman, Benjamin M.: Asymptotic scattering efficiency of a large sphere (T) (L), JOSA 69: 1615
- Boisclair, G.** See Chin, S. L., OL 4: 340
- Boivin, Alberic.** See Biswas, Subhash C., JOSA 65: 1225, JOSA 65: 1225; Boivin, Richard, JOSA 65: 1225, JOSA 68: 1453; Chowdhury-Som, Chitralekha, JOSA 65: 1195; Deckers, Christian, JOSA 69: 1485; Langlois, Pierre, JOSA 65: 1223, JOSA 69: 1485; Lessard, Roger A., JOSA 64: 551, JOSA 65: 1219, JOSA 66: 1083, AO 14: 565
- ; Boivin, Richard: Construction of the finite Hankel self-transforms in terms of their zeros through a variational principle (A), JOSA 68: 1453
- ; Villeneuve, Jean-Eudes: Scalar diffraction in the caustic region of a monochromatic spherically aberrated wave under a modal or Gaussian law of radial amplitude variation (A), JOSA 67: 1437
- Spatial relationships between the polarization ellipses and the Poynting vector near focus of a wide-angle coherent beam (A), JOSA 65: 1226
- Boivin, Germain.** See Arsenault, Roger, AO 16: 1890, AO 17: 736
- Fresnel zone plate for optical image formation with short wavelength radiations (ET), AO 16: 1070
- Boivin, L. P.**
- Diffraction corrections in radiometry: comparison of two different methods of calculation (TE), AO 14: 2002
- Diffraction corrections in the radiometry of extended sources (TE), AO 15: 1204
- Diffraction losses associated with tungsten lamps in absolute radiometry (T), AO 14: 197
- ; Smith, T. C.: Electrically calibrated radiometer using a thin film thermopile (E), AO 17: 3067
- Radiometric errors caused by diffraction from circular apertures: edge effects (TE), AO 16: 377
- Reduction of diffraction errors in radiometry by means of toothed apertures (E), AO 17: 3233
- Thin-film laser-to-fiber coupler (E), AO 13: 391
- Boivin, Richard.** See Boivin, Alberic, JOSA 68: 1453
- ; Boivin, Alberic: Application of the finite Hankel self-transforms to superresolution (A), JOSA 68: 1453
- ; Boivin, Alberic: New class of amplitude filters superresolving in a restricted field (A), JOSA 65: 1225
- Bok, Dean**
- ; Hafner, Gary: Membrane dynamics in vertebrate photoreceptors (A), JOSA 64: 1378
- Bokor, Jeffrey.** See Hawkins, R. T., JOSA 69: 1449
- ; Bischel, William K.; Rhodes, Charles K.: Optical down conversion of 10  $\mu$ m radiation to the 16  $\mu$ m range (A), JOSA 68: 671
- Bolen, P. D.** See Viswanathan, V. K., JOSA 69: 1454
- Boling, N. L.** See Dube, George, AO 13: 699; Rapp, Charles F., JOSA 67: 1425
- ; Glass, Alexander J.: Empirical expression for nonlinear refractive indices of simple tetragonal and hexagonal crystals (A), JOSA 68: 643
- Optical materials for fusion lasers (A), JOSA 69: 1437
- Bollenbeck, Peter H.**
- ; Ramirez, W. Fred: Diffusion cell for use with a Rayleigh interferometer in membrane-transport studies (T), JOSA 65: 131
- Bolleter, W.** See Salathe, Rene, AO 16: 2621
- Bolton, P. R.**
- ; Harvey, K. C.; Stoicheff, B. P.: Line-broadening studies of highly excited Rb atoms (A), JOSA 67: 1418
- Bomberger, W. D.**
- ; Burke, James J.: Interferometric determination of the intermodal delay of an optical fiber (A), JOSA 69: 1448
- Bomke, Hans A.**
- ; Harmatz, Milton: Enhanced Faraday effect and its application to optical communication (E), AO 16: 751
- Bon, M.** See Kumar, Vijay, AO 15: 1856
- Bond, V. P.** See McNulty, P. J., JOSA 66: 49
- Bondurant, Robert A.** See Leib, Kenneth G., AO 17: 2892
- Bondyby, V. E.**
- ; Brus, L. E.; Rentzepis, P. M.: Detection of microcracks and imperfections in optical fibers by light scattering (A), JOSA 66: 1100
- Bongianni, W. L.**
- ; Butler, S. M.; Miller, J. R.: Batch processing techniques for microballoon fusion targets (A), JOSA 68: 545
- Boni, A. A.** See Penney, C. M., JOSA 66: 1106
- Bonifacio, R. R.** See Narducci, Lorenzo M., JOSA 69: 1430
- Theory of optical bistability (A), JOSA 68: 641
- Bonino, B.** See Marioge, J. P., AO 14: 2283
- Bonne, U.** See Chen, D., JOSA 65: 226
- Bonner, W. A.**
- Crystal Technology. By W. L. Bond (B), JOSA 67: 129
- Bonnet, D.** See Kottler, W., AO 17: 164
- Bonomo, F. S.** See Goldman, A., AO 15: 2305, JOSA 65: 10; Schmidt, S. C., AO 13: 1202
- Booker, Robert L.**
- Luminance-brightness comparisons of separated circular stimuli (A), JOSA 69: 1420
- Luminance-brightness comparisons of LED alpha-numeric sources at suprathreshold levels (E), JOSA 68: 949
- Boone, J. L.** See Singh, A. K., AO 17: 3459
- Boord, W. T.**
- ; Mar, H. Y. B.; Ohmer, Melvin C.: Ti-1-KCl-Ti-1 AR coatings for KCl windows (A), JOSA 68: 1418
- Booth, B. L.**
- Photopolymer material for holography (E), AO 14: 593
- Booth, C. R.** See Heflinger, L. O., AO 17: 951
- Booth, L. A.** See Devaney, J. J., JOSA 68: 546
- Applications of inertial confinement fusion (A), JOSA 68: 545
- ; Bohachevsky, I. O.; Frank, T. G.: Fundamentals of ICF reactor design (A), JOSA 68: 546
- ; Bohachevsky, I. O.: Requirements for commercialization of inertial confinement fusion (A), JOSA 68: 546
- ; Pendergrass, J. H.: Synthetic fuel production from ICF sources (A), JOSA 68: 546
- Boquillon, J. P.**
- ; Bregier, R.: High-resolution coherent Raman Stokes spectroscopy of methane and intensity versus pressure (A), JOSA 68: 627
- Bor, Zs.** See Schaefer, Fritz P., JOSA 68: 1644
- Borde, C. J.** See VanLerberghe, A., JOSA 68: 624
- Bordogna, Joseph.** See Keneman, Scott A., JOSA 68: 32
- Boreham, B. W.** See Luther-Davies, B., JOSA 68: 658
- ; Hughes, J. L.: Multiple pulse technique for producing an absolute vacuum using radiation pressure (A), JOSA 68: 698
- Boreiko, R. T.** See Naylor, D. A., AO 17: 1055
- Borel, J.** See Labrunie, Guy, AO 13: 1355
- Borghese, F.**
- ; Denti, P.; Toscano, G.; Sindoni, O. I.: Electromagnetic scattering by a cluster of spheres (T), AO 18: 116
- Borgiotti, Giorgio V.** See Newburgh, Ronald G., AO 14: 2727
- Borgnino, J.**
- ; Martin, F.: Correlation between angle-of-arrival fluctuations on the entrance pupil of a solar telescope (ET), JOSA 67: 1065
- ; Martin, F.: Correlation between angle-of-arrival fluctuations in the entrance pupil of a solar telescope (errata), JOSA 68: 277
- ; Vernin, J.: Experimental verification of the inertial model of atmospheric turbulence from solar limb motion (E), JOSA 68: 1056
- Borgogno, J. P.**
- ; Pelletier, E.: Use of Fourier coefficients in multilayer synthesis computations (T), JOSA 68: 964
- Boris, J. P.**
- ; Orens, J. H.: Rayleigh-Taylor stability in the pellet ablation layer (A), JOSA 68: 549
- Borisov, V. M.** See Baranov, V. Yu., AO 15: 1373



- Born, G. K.**  
—; Bogenberger, R.; Erben, K. D.; Frank, F.; Mohr, F.; Sepp, G.: Phase-front distortion of laser radiation in a turbulent atmosphere (ET), AO 14: 2857
- Born, Joachim.** See Smith, W. Hayden, AO 15: 717
- Boroffka, H.** See Auracher, F., JOSA 66: 289, JOSA 66: 289
- Boron, S.**  
—; Waldie, B.: Particle sizing by forward lobe scattered intensity-ratio technique: errors introduced by applying diffraction theory in the Mie regime (T), AO 17: 1644
- Borovoy, A. G.**  
—; Kabanov, M. V.; Saveliev, B. A.: Intensity fluctuations of optical radiation in scattering media (TE), AO 14: 2731
- Borowicz, T.** See Truszkowska, K., AO 17: 1579
- Borrelli, N. F.** See Crow, John D., AO 14: 580
- ; Chodak, J. B.; Nolan, D. A.; Seward, T. P., III: Interpretation of induced color in polychromatic glasses, JOSA 69: 1514
- ; Chodak, J. B.; Nolan, D. A.; Seward, T. P., III: Interpretation of induced colors in polychromatic glasses (A), JOSA 68: 1395
- Borsboom, P. C. F.** See Spitzer, D., AO 15: 2301
- Borsuk, Gerald M.**  
Modified laser communications subcarrier technique (ET) (L), AO 14: 276
- Borutta, R.** See Saifi, M. A., JOSA 66: 380
- Borwein, B.** See Medeiros, J. A., JOSA 67: 1372
- Bosacchi, B.**  
—; Leung, Chung-Yee; Scully, Marlan O.: Role of direct free-hole transitions in the reflectivity and transient optical properties of Ge (A), JOSA 68: 681
- Bosch, J. J. Ten.** See Spitzer, D., AO 15: 934
- Boscher, J.**  
—; Schaefer, G.; Englisch, W.; Wiesemann, W.: Sulfur dioxide absorption cross sections for  $^{12}\text{C}^{18}\text{O}_2$  laser lines around  $9\ \mu\text{m}$  (E) (L), AO 17: 3347
- Bostrom, R. G.**  
—; Coakley, J. Marshall: Guide number for light sources that emit ultraviolet radiation (TE) (L), AO 15: 574
- Boswell, D.** See Armand, A., JOSA 68: 1361, JOSA 68: 1361
- Botez, Dan.** See Shams, Mohammad Kazem, OL 4: 96
- Botineau, J.** See Azema, A., JOSA 66: 292
- ; Gires, F.; Saissy, A.; Vanneste, C.; Azema, A.: Laser Raman a fibre émettant dans un très large domaine spectral (E), AO 17: 1208
- Bott, J. F.** See Cohen, N., AO 15: 28
- Bottema, M.**  
—; Darnell, R. J.: Two-element refractive correctors for UV telescopes (A), JOSA 68: 1374
- Botten, L. C.** See Wilson, I. J., AO 16: 2086
- Boucher, Richard H.** See Estes, Lee E., JOSA 65: 760
- Phase retrieval techniques for image processing in coherent systems (A), JOSA 69: 1442
- Boudreault, J. P.**  
—; Delisle, Claude: Scaling in photocount experiments (A), JOSA 67: 1367
- Bouillie, R.** See Steiner, K.-H., AO 13: 1754; Treheux, M., JOSA 67: 708
- ; Cozannet, A.; Steiner, K.-H.; Treheux, M.: Ray delay in gradient waveguides with arbitrary symmetric refractive profile (T), AO 13: 1045
- Bouman, Maarten A.** See Koenderink, Jan J., JOSA 68: 845, JOSA 68: 850, JOSA 68: 854, JOSA 68: 860
- Bourdett, G. L.**  
—; Orszag, A. G.: Absolute distance measurements by  $\text{CO}_2$  laser multiwavelength interferometry (TE), AO 18: 225
- Bourguinat, Eric.** See Kretz, Francis, JOSA 69: 1635
- Bourkoff, E.**  
—; Whinnery, John R.: Independent tunability of the double-mode-locked cw dye laser (E), OL 4: 179
- ; Dienes, A.; Whinnery, John R.: Synchronous generation of independently tunable ultrashort pulses by double mode-locking of the cw dye laser (A), JOSA 68: 1394
- Boursey, E.**  
—; Damany, H.: Vacuum ultraviolet high resolution spectroscopy using a BRV continuum source (E), AO 13: 589
- Bousek, R. R.** See Benard, D. J., JOSA 68: 652
- Bouthillette, Lionel O.** See Payne, Richard, AO 17: 2132
- Boutillier, G. D.** See Blackburn, M. B., AO 18: 1804
- ; Blackburn, M. B.; Mermet, J.-M.; Weeks, S. J.; Haraguchi, H.; Windfordner, J. D.; Omenetto, Nicolo: Steady-state atomic fluorescence radiance expressions for continuum excitation (T), AO 17: 2291
- ; Blackburn, M. B.; Weeks, S. J.; Haraguchi, H.; Winefordner, J. D.; Mermet, J.-M.; Omenetto, Nicolo: Steady-state atomic fluorescence radiance expressions for continuum excitation (errata), AO 18: 607
- ; Winefordner, J. D.; Omenetto, Nicolo: Steady state molecular luminescence radiance expressions assuming narrowband excitation (T), AO 17: 3482
- ; Winefordner, J. D.; Omenetto, Nicolo: Steady-state molecular luminescence radiance expressions assuming narrowband excitation (errata), AO 18: 607
- Bouwhuis, G.** See Braat, J. J. M., AO 17: 2013, AO 17: 2022; Heemskerk, J. P. J., JOSA 68: 1407
- ; Braat, J. J. M.: Video disk player optics (ET), AO 17: 1993
- Bowden, C. M.** See Rosenberger, A. T., JOSA 68: 700
- Bowden, Murrae J.**  
—; Chandross, E. A.; Kaminow, Ivan P.: Mechanism of the photoinduced refractive index increase in polymethyl methacrylate (E), AO 13: 112
- Photopolymer conference, third: photopolymers—principles processes and materials, Ellenville, 24-26 Oct 1973 (M), AO 13: 456
- Bowen, Richard W.** See Pokorny, Joel, JOSA 67: 1380, JOSA 69: 103, JOSA 69: 1049
- ; Lindsey, Delwin T.; Smith, Vivianne C.: Chromatic two-pulse resolution with and without luminance transients (E), JOSA 67: 1501
- ; Schoon, Cecilia M.: Complex variation in temporal resolution during transient light adaptation (A), JOSA 68: 1438
- ; Nissen, Mary Jo: Luminance, not brightness, determines temporal brightness enhancement with chromatic stimuli (E), JOSA 69: 581
- Bower, Lanny R.** See Watkins, Wendell R., JOSA 67: 1442, JOSA 67: 1442, JOSA 68: 1425, AO 18: 1149, AO 18: 1582
- Bowker, Duane O.** See Corwin, Thomas R., JOSA 69: 1445
- Orientation contingent distortions of spatial frequency (A), JOSA 69: 1444
- Bowker, J. Kent**  
Stable Hartmann wavefront sensor (A), JOSA 65: 1216
- Bowley, W. W.** See Pryputniewicz, Ryszard J., AO 17: 1748, AO 17: 2873
- Bowman, W.** See Zalewski, Edward F., JOSA 66: 1080
- Bowyer, Stuart.** See Finley, David S., AO 18: 649; Kumar, Shailendra, AO 13: 575; Mack, John E., AO 15: 861; Malina, Roger F., JOSA 68: 1430
- ; Freeman, Jay; Paresce, Francesco; Lampton, Michael: Extreme ultraviolet photometer for observations of helium in interplanetary space (E), AO 16: 756
- Box, Gail P.** See Deepak, Adarsh, JOSA 67: 1370
- Box, Michael A.** See Deepak, Adarsh, JOSA 67: 1370, AO 17: 1977, AO 17: 2900, AO 17: 3169; Farrukh, Usamah O., JOSA 69: 1412
- ; McKellar, Bruce H. J.: Analytic inversion of multispectral extinction data in the anomalous diffraction approximation (T), OL 3: 91
- ; Lo, Shui-Yin: Approximate determination of aerosol size distributions (A), JOSA 67: 259
- ; Deepak, Adarsh: Atmospheric scattering corrections to solar radiometry (T), AO 18: 1941
- ; Reich, M. H.; Lo, Shui-Yin; McKellar, Bruce H. J.: Atmospheric turbidity and the circumsolar radiation (T), AO 16: 341
- ; McKellar, Bruce H. J.: Determination of moments of the size distribution function in scattering by polydispersions (T) (L), AO 15: 2610
- ; Deepak, Adarsh: Forward scattering corrections for aerosol extinction measurements (A), JOSA 67: 1370
- ; McKellar, Bruce H. J.: Inversion of multispectral extinction data: the anomalous diffraction approximation (A), JOSA 67: 260
- ; McKellar, Bruce H. J.: Relationship between two analytic inversion formulae for multispectral extinction data, AO 18: 3599
- ; Deepak, Adarsh: Retrieval of aerosol size distributions by inversion of simulated aureole data in the presence of multiple scattering (T), AO 18: 1376
- ; Deepak, Adarsh: Single and multiple scattering contributions to circumsolar radiation (T), AO 17: 3794
- Boxman, Raymond L.**  
—; Shlien, D. J.: Interferometric measurement technique for the temperature field of axisymmetric buoyant phenomena (E), AO 17: 2788
- ; Sloan, Mark L.: Scanning technique for obtaining linear fringe shift readout from a high resolution interferometer (E), AO 17: 2794
- Boyd, A.** See Hecht, David L., JOSA 65: 1172
- Boyd, J. T.**  
—; Kuo, C. S.: Composite prism-grating coupler for coupling light into high refractive index thin-film waveguides (E) (L), AO 15: 1681
- ; Anderson, D. B.: Distributed-feedback coupling in  $\text{Ga}_{1-x}\text{Al}_x\text{As}$  double-heterostructure lasers: effect of aluminum concentration (T), AO 14: 2199
- ; Chuang, C. M.; Chen, C. L.: Fabrication of optical waveguide taper couplers utilizing  $\text{SiO}_2$  (E), AO 18: 506
- Integrated electrooptic laser deflector (T) (L), AO 13: 1041
- ; Chen, C. L.: Integrated optical silicon photodiode array (TE), AO 15: 1389
- ; Sriram, S.: Optical coupling from fibers to channel waveguides formed on silicon (E), AO 17: 895
- Boyd, Robert W.** See Dodd, Jack G., JOSA 69: 1427; Kramer, Mark A., JOSA 69: 1477; Wilk, Stephen R., JOSA 69: 1463
- ; Moore, Duncan T.: Interferometric measurement of the optical phase distribution for Fresnel diffraction by a straightedge (E), AO 18: 2013
- ; Moore, Duncan T.: Measurement of the optical phase distribution for Fresnel diffraction by a straight edge (A), JOSA 68: 1406
- Optical and Infrared Detectors. Edited by R. J. Keyes (B), JOSA 68: 1649
- Wavelength dependence of seeing (TE), JOSA 68: 877
- Boyd, W. J.** See Jennings, D. E., AO 15: 836
- Boyd, W. Raymond**  
Convex stainless steel parabola (E) (L), AO 13: 1541
- Boyer, G. R.**  
—; Lamouroux, B. F.; Prade, B. S.: Air-flow-birefringence measurement (E), JOSA 65: 1319
- ; Prade, B. S.; Lamouroux, B. F.: Atmospheric birefringence under wind speed gradient shear (E), JOSA 68: 471
- ; Lamouroux, B. F.; Prade, B. S.: Automatic measurement of the Stokes vector of light (E), AO 18: 1217
- Pupil filters for moderate superresolution (T), AO 15: 3089
- Boyer, K.** See Sheffield, R. L., JOSA 68: 1403
- Boyer, Timothy H.**  
Classical electromagnetic zero-point radiation (A), JOSA 65: 1206
- Boyle, M.** See Coleman, Lamar W., JOSA 68: 547
- Boynton, Frederick P.** See Thomson, J. Alex, AO 16: 355
- Boynton, Robert M.** See Buck, Steven L., JOSA 67: 1126; Frome, Francine, JOSA 67: 1409; MacLeod, Donald I. A., JOSA 69: 1183; Nagy, Allen L., JOSA 68: 1392, JOSA 69: 1259; Tansley, Brian W., JOSA 65: 1193
- Eye Movements and Psychological Processes. Edited by Richard A. Monty and John W. Senders (B), JOSA 68: 1456
- ; Baron, William S.: Field sensitivity of chromatic mechanisms in the monkey retina (A), JOSA 67: 1379
- Handbook of Sensory Physiology VII/2. Physiology of Photoreceptor Organs. Edited by M. G. F. Fuortes (B), JOSA 64: 252
- Lighting and visual performance: a review (A), JOSA 64: 1374
- ; Wisowaty, John J.: Longwave signal for transient tritanopia (A), JOSA 69: 1420
- Modern Problems in Ophthalmology, Volume 17. Edited by E. B. Streiff (B), JOSA 69: 371



- ; Baron, William S.: Sinusoidal flicker characteristics of primate cones in response to heterochromatic stimuli (ET), JOSA 65: 1091
- Studies on Excitation and Inhibition in the Retina. Edited by Floyd Ratliff (B), JOSA 65: 616
- ; Baron, William S.: Temporal response of three types of primate cones (A), JOSA 64: 1385
- ; Kambe, Naotake: Thresholds of color difference: a new look (A), JOSA 68: 1387
- Bozler, C. O.** See Leonberger, F. J., JOSA 66: 290, AO 17: 2250
- Braat, J. J. M.** See Bouwhuis, G., AO 17: 1993; Heemskerk, J. P. J., JOSA 68: 1407
- ; Greve, Peter F.: Aplanatic optical system containing two aspheric surfaces (T), AO 18: 2187
- ; Bouwhuis, G.: Optical video disks with undulating tracks (ET), AO 17: 2022
- Position sensing in video disk read-out (A), JOSA 66: 1062
- ; Bouwhuis, G.: Position sensing in video disk readout (ET), AO 17: 2013
- Bracewell, R. N.**
- ; Wernecke, S. J.: Image reconstruction over a finite field of view (T), JOSA 65: 1342
- Brach, E. J.** See Rao, V. R., AO 17: 493
- Brackett, C. A.** See Hackett, W. H., Jr., JOSA 67: 709
- ; Hartman, A. R.; Melchior, H.; Reinbold, H. W.; Rich, T. C.; Schinke, D. P.; Smith, R. G.; DiDomenico, M. D., Jr.: Silicon avalanche photodiode receiver for optical-fiber transmission systems (A), JOSA 66: 391
- Bracokova, Viera.** See Czerlinski, George, AO 13: 1639
- Bradbury, R. A.** See Picard, R. H., JOSA 66: 1119, AO 16: 1563
- Braddick, Oliver.** See Howland, Howard C., JOSA 69: 1486
- Bradford, C. M.** See Goldman, A., AO 18: 604
- Bradford, J. N.** See Faust, W. L., JOSA 68: 639
- ; Goldberg, Lawrence S.: Nd:BEL, a new source of picosecond pulses (A), JOSA 66: 1073
- Bradley, D. J.** See Adams, M. C., JOSA 68: 665
- ; Hutchinson, M. H. R.; Ling, C. C.: Coherent radiation in the Lyman- $\alpha$  spectral region (A), JOSA 68: 702
- ; Ryan, J. P.: Comparison of synchronous pumping and passive mode-locking of cw dye lasers for the generation of picosecond and subpicosecond pulses (A), JOSA 68: 664
- Bradley, Eugene B.**
- ; Stencel, John M.: Raman spectra associated with gas adsorption on Ni(110) (A), JOSA 68: 1448
- ; Stencel, John M.: Raman spectra of CO adsorbed on oriented nickel surfaces (A), JOSA 69: 1480
- Bradley, J. C.** See Betts, Gary E., AO 17: 2346
- Bradley, L. C.**
- Fraunhofer diffraction due to an elliptic annulus (L), JOSA 66: 190
- ; Cheifetz, M. G.: Limits of phase compensation for turbulence (A), JOSA 65: 1212
- Bradley, Lee C.**
- ; Herrmann, Jan: Phase compensation for thermal blooming (T), AO 13: 331
- Bradley, Royce B.** See Switzer, Gary L., AO 18: 2343
- Bradley, W. C.**
- ; Greenleaf, A.; Lee, R. K.: Using 0.001 arc sec star tracker for the large space telescope (A), JOSA 64: 531
- Bradt, Richard C.** See Rindone, Guy E., JOSA 65: 1192
- Brady, Michael J.** See Crow, John D., JOSA 67: 708, OL 1: 40, AO 17: 479; Laff, Robert A., AO 17: 778
- Braeuninger, H.** See Beuermann, K. P., AO 16: 1425, AO 17: 2304; Predehl, P., AO 18: 2906
- ; Kraus, H.; Dangschat, H.; Beuermann, K. P.; Predehl, P.; Truemper, J.: Fabrication of transmission gratings for use in cosmic x-ray and XUV astronomy (E), AO 18: 3502
- ; Predehl, P.; Beuermann, K. P.: Transmission grating efficiencies for wavelengths between 5.4 Å and 44.8 Å (E), AO 18: 368
- Brandelik, J. E.** See Barry, James D., JOSA 64: 554
- Brandewie, R. A.** See Hayes, C. L., JOSA 67: 554
- Brandstatter, J. J.**
- Dynamic programming, Fermat's principle, and the eikonal equation for anisotropic media (T), JOSA 64: 317
- Brandt, Gerald B.** See Choyke, W. J., AO 16: 2013; Gottlieb, Milton, JOSA 65: 1222, JOSA 68: 1372, JOSA 69: 1459
- Birefringent coupler for integrated optics (A), JOSA 64: 525
- Birefringent coupler for integrated optics (E), AO 13: 1359
- Data-reducing apparatus for holographic flow interferograms (A), JOSA 66: 382
- ; Conroy, J. J.; Gottlieb, Milton: Improving contrast in ultrasonic modulators with spatial filtering (A), JOSA 66: 1094
- ; Schruben, J. S.; Gottlieb, Milton: In-plane scattering in optical waveguides (A), JOSA 68: 1372
- ; Gottlieb, Milton: Integration of deflection and detection of guided light on silicon substrates (A), JOSA 66: 289
- ; Conroy, J. J.; Gottlieb, Milton: Probability distribution of optical amplitude scattered from a rough object containing multiple glints (T), JOSA 67: 1269
- ; Gottlieb, Milton; Hoffman, R. A.: Sputtered niobium oxide thin-film waveguides on arbitrary substrates (A), JOSA 65: 1222
- Two wavelength measurements of optical waveguide parameters (E), AO 14: 946
- Brandt, Howard E.**
- ; Mataloni, Raymond J.: Deep sea optical viewing systems: methodologies for their analyses and synthesis (T), AO 14: 2371
- Brangaccio, D. J.** See Bruning, J. H., AO 13: 2693
- Brannen, E.** See Kucerovsky, Z., AO 15: 2027
- Brannon, Paul J.**
- ; Franklin, F. R.; Hauser, G. C.; Lavasek, J. W.; Jones, Eric D.: Faraday rotator using ED4 glass (E) (L), AO 13: 1555
- Laser feedback: its effect on laser frequency (T) (L), AO 15: 1119
- Laser feedback; its effect on laser frequency: addendum (T) (L), AO 15: 2305
- Branstetter, Elmer E.** See Johnson, R. Barry, JOSA 64: 1445
- Brasch, J. W.**
- Infrared detection of flame-retardant finishes on cotton fabric (A), JOSA 64: 1363
- Brasher, James D.** See Herget, William F., AO 18: 3404
- Brasseur, G.**
- ; Van Eck, J. L.; Vilain, P.: Selection of a single pulse from a mode-locked laser using avalanche transistors (E) (L), AO 14: 1758
- Braut, J. W.**
- Rapid-scan high-resolution Fourier spectrometer for the visible (A), JOSA 66: 1081
- Braun, Charles**
- Calculation of  $\tau(\nu)$  for  $\nu_2$  "Q" branch of CO<sub>2</sub> using overlap theory (A), JOSA 69: 1480
- Braund, Doris B.**
- ; Cole, A. R. H.: Calibration of far-infrared spectrometers in the 100–200-cm<sup>-1</sup> region with the  $\nu_5$ - $\nu_4$  band of acetylene (E), AO 15: 419
- Braunecker, B.**
- ; Hauck, R.; Lohmann, A. W.: Optical character recognition based on nonredundant correlation measurements (ET), AO 18: 2746
- ; Rhodes, William T.; Hauck, R.: Pupil function replication in OTF synthesis (A), JOSA 67: 1423
- ; Hauck, R.; Rhodes, William T.: Pupil function replication in OTF synthesis (TE), AO 18: 44
- Braunstein, A. I.** See Cheng, J. C., AO 15: 1960; Rudisill, J. Earl, JOSA 66: 166, AO 13: 2075
- Braunstein, Morris.** See Harrington, James A., JOSA 67: 252, AO 16: 2843, AO 17: 1541, AO 17: 2798; Holm, R. T., JOSA 67: 253; Palik, E. D., AO 17: 1776; Pedinoff, M. E., JOSA 67: 252, AO 16: 2849, AO 18: 201; Rudisill, J. Earl, JOSA 66: 166, JOSA 69: 1438, AO 13: 2075, AO 18: 1220
- Damage mechanisms at 10.6  $\mu$ m in windows and reflectors (A), JOSA 66: 166
- Braunstein, Rubin.** See Harrington, James A., AO 17: 1541
- Braverman, L. W.**
- ; Christensen, C. P.; Steier, William H.; Wittig, Curt: Active mode locking of the XeF excimer laser (A), JOSA 66: 1108
- Bray, R. J.** See Loughhead, R. E., AO 17: 415
- Brayton, D. B.**
- Small particle signal characteristics of a dual-scatter laser velocimeter (T), AO 13: 2346
- Breaux, H.**
- ; Evers, W.; Sepucha, R. C.; Whitney, Cynthia K.: Algebraic model for cw thermal-blooming effects (T), AO 18: 2638
- Brecher, C.** See Stokowski, S. E., JOSA 68: 542
- Breckinridge, James B.** See Burke, James J., JOSA 68: 67; Chen, Chungte W., JOSA 69: 1439
- Astronomical holography through the turbulent atmosphere (A), JOSA 66: 175
- ; Schindler, R. A.: High-resolution interferometer for stratospheric spectroscopy from Spacelab (A), JOSA 67: 1419
- ; Schindler, R. A.; Farmer, C. B.: High-resolution interferometer for atmospheric trace molecule spectroscopy (ATMOS) (A), JOSA 68: 1390
- Interference in astronomical speckle patterns (T), JOSA 66: 1240
- ; McAlister, H. A.; Robinson, W. G.: Kitt Peak speckle camera (E), AO 18: 1034
- ; McAlister, H. A.: Measurement of atmospheric speckle isoplanicity (A), JOSA 66: 1077
- Measurement of the amplitude of phase excursions in the earth's atmosphere (ET) (L), JOSA 66: 143
- Measurement of the amplitude of phase excursions in the earth's atmosphere (ET) (errata), JOSA 66: 981
- Obtaining information through the atmosphere at the diffraction limit of a large aperture (T), JOSA 65: 755
- Two-dimensional white light coherence interferometer (E) (L), AO 13: 2760
- Bredenkamp, J. H.** See Viehmann, W., AO 14: 2104
- Breed, Henry E.** See Geri, George A., JOSA 68: 1399
- Breedlove, J. R., Jr.** See Trussell, H. J., AO 16: 2359
- Bregier, R.** See Boquillon, J. P., JOSA 68: 627
- Breiter, Dennis N.**
- Excited States of Biological Molecules. Edited by J. S. Birks. (B), AO 16: 795
- Breitmeyer, Bruno G.** See Julez, Bela, JOSA 64: 1403
- Velocity sensitivity and discriminability in central and peripheral vision (A), JOSA 64: 1384
- Bremer, James C.** See Kelley, C. Stuart, JOSA 65: 559
- Brenci, M.**
- ; Checcacci, P. F.; Falciai, R.; Scheggi, A. M.: Contamination of furnace-drawn silica fibers: comment (E) (L), AO 16: 3084
- ; Checcacci, P. F.; Falciai, R.; Scheggi, A. M.: Deterioration in optical materials as a result of ultrasonic cleaning: comment (E) (L), AO 16: 3083
- Breneman, Edwin J.**
- Corresponding chromaticities for different states of chromatic adaptation in complex visual fields (A), JOSA 69: 1406
- Perceived saturation in complex stimuli viewed in light and dark surrounds (A), JOSA 65: 1194
- Perceived saturation in complex stimuli viewed in light and dark surrounds (E), JOSA 67: 657
- Brennan, James G.**
- Landmark Experiments in Twentieth Century Physics. By George L. Trigg (B), AO 15: 845
- Brenner, K. H.** See Bartelt, H. O., JOSA 69: 1467
- Breton, C.**
- ; De Michelis, C.; Finkenthal, M.; Mattioli, M.:  $2s^2 2p^k-2s 2p^{k+1}$  transitions in the F I to Be I isoelectronic sequences of chromium, iron, and nickel from tokamak-produced plasmas (E), JOSA 69: 1652
- Breton, Michael E.** See Teich, Malvin Carl, JOSA 68: 1454, JOSA 69: 1469
- Bretz, Norton**
- ; Dimock, D.; Foote, V.; Johnson, D.; Long, D.; Tolnas, E.: Multichannel Thomson scattering apparatus (E), AO 17: 192
- Proposed method of measuring the current distribution in a tokamak plasma (E), AO 13: 1134
- Brewer, R. J.**
- ; Bruce, Charles W.: Photoacoustic spectroscopy of NH<sub>3</sub> at the 9- $\mu$ m and 10- $\mu$ m <sup>12</sup>C<sup>16</sup>O<sub>2</sub> laser wavelengths (E), AO 17: 3746
- Brewer, Richard G.** See Devoe, Ralph G., JOSA 68: 695
- Coherent optical spectroscopy (A), JOSA 64: 1380



- Brewer, Silas H.** See Nussmeier, T. A., JOSA 64: 521
- ; Meiron, Josef: Optical design with nonrotationally symmetrical aspheres (A), JOSA 68: 1452
- Surface-contribution algorithms for analysis and optimization (T), JOSA 66: 8
- Surface contribution algorithms for analysis and optimization: reply (L), JOSA 66: 630
- Brickman, R.** See Kaldor, Andrew, JOSA 68: 684; Rabinowitz, P., OL 3: 147, AO 15: 2005
- Bridges, J. M.** See Saunders, Robert D., JOSA 66: 1097, AO 17: 593
- ; Ott, William R.: Argon minarc as a secondary standard of VUV spectral radiance (A), JOSA 66: 1097
- ; Ott, William R.; Pitz, E.; Schulz, A.; Einfeld, D.; Stuck, D.: Spectral radiance calibrations between 165–300 nm: an interlaboratory comparison (E) (L), AO 16: 1788
- ; Ott, William R.: Vacuum ultraviolet radiometry. 3: The argon mini-arc as a new secondary standard of spectral radiance (E), AO 16: 367
- Bridges, Thomas J.** See Chang, T. Y., JOSA 68: 669
- ; Nguyen, Van Tran: Continuously tunable submillimeter-wave source (A), JOSA 64: 532
- Bridges, William B.** See Pearson, James E., AO 15: 611
- Absorption spectroscopy using an opto-galvanic effect in plasmas (A), JOSA 67: 1417
- Characteristics of an opto-galvanic effect in cesium and other gas discharge plasmas (E), JOSA 68: 352
- ; Hansen, S.; Horwitz, L.; Lazzara, S. P.; O'Meara, T. R.; Walsh, T. J.; Pearson, James E.: Coherent-optical adaptive techniques (A), JOSA 64: 541
- ; Brunner, P. T.; Lazzara, S. P.; Nussmeier, T. A.; O'Meara, T. R.; Sanguinet, J. A.; Brown, W. P., Jr.: Coherent optical adaptive techniques (E), AO 13: 291
- Divergence of high order Gaussian modes (TE) (L), AO 14: 2346
- Lasers: A Series of Advances; Vol. 4. Edited by Albert K. Levine and Anthony J. Demaria (B), AO 15: 2292
- Briehl, Daniel C.** See Hanser, Frederick A., AO 17: 1649
- Bright, David S.**
- ; Neihart, Natasha K.; Chabay, Ilan: Doppler shift spectrometer for measurement of particle size distributions (A), JOSA 67: 258
- Brill, Michael H.**
- Computer simulation of object-color recognizers (A), JOSA 69: 1405
- Brillet, Alain**
- ; Dallara, J. L.; Hall, J. L.; Drullinger, R. E.: Frequency stability of optically pumped dimer lasers (A), JOSA 68: 635
- Brillet, Wan-U Lydia.** See Artru, Marie-Christine, JOSA 64: 1063; Kaufman, Victor, JOSA 64: 197
- ; Artru, Marie-Christine: Configurations of quadruply ionized aluminum (Al V),  $2p^4$ ,  $4f$ ,  $5f$ , and  $5g$  (E), JOSA 65: 1399
- Brin, G. D.**
- Polarization nearness variation in an anisotropically absorbing medium (T), AO 18: 2990
- Brink, D. J.** See Hasson, V., JOSA 68: 673
- Brinkmann, U.**
- ; Huffer, W.; Schieder, R.; Telle, H.: Efficient and stable laser dyes down to the near UV (A), JOSA 68: 1624
- Brinkmeyer, Ernst**
- Refractive-index profile determination of optical fibers from the diffraction pattern (T) (L), AO 16: 2802
- Refractive-index profile determination of optical fibers by spatial filtering (T) (L), AO 17: 14
- Spot size of graded-index single-mode fibers: profile-independent representation and new determination method (TE), AO 18: 932
- Briones, R. A.**
- ; Heflinger, L. O.; Wuerker, R. F.: Holographic microscopy (E), AO 17: 944
- Briotta, Daniel A., Jr.** See Harwit, Martin, AO 13: 2669; Phillips, Perry G., AO 13: 2233; Tai, Ming-Hing, AO 14: 2533
- Bristow, M. P. F.**
- Fluorescence of short wavelength cutoff filters (E) (L), AO 18: 952
- Brixner, Berlyn.** See Klein, Morris, AO 15: 2583
- Copying lens for microfilm photography (TE), AO 13: 2067
- Laser-beam-expander lens that avoids specular-reflection feedback (A), JOSA 64: 565
- Lens design merit functions: rms image spot size and rms optical path difference (E), AO 17: 715
- Broadfoot, A. Lyle.** See Sandel, Bill R., AO 15: 3111, AO 16: 1435
- ; Sandel, Bill R.: Self-scanned anode array with a microchannel plate electron multiplier: the SSANACON (E), AO 16: 1533
- Broadwell, J. E.**
- Effect of mixing rate on HF chemical laser performance (T), AO 13: 962
- Brock, Thomas W.**
- Machined ultra-lightweight mirror blank (A), JOSA 64: 1376
- Brookes, A.**
- Comparative performance of color-measuring instruments: second report, comments (E) (L), AO 14: 265
- Brockman, C. L., Jr.**
- ; Alexopoulos, Nikolaos G.: Geometrical optics of inhomogeneous particles: glory ray and the rainbow revisited (T), AO 16: 166
- Brockman, Philip.** See Bair, Clayton H., AO 18: 4152
- ; Bair, Clayton H.; Allario, Frank: High resolution spectral measurement of the  $\text{HNO}_3$  11.3- $\mu\text{m}$  band using tunable diode lasers (ET), AO 17: 91
- Brockman, W. H.** See Cannata, R. F., AO 18: 3885
- Brod, Lang G.**
- ; Wolfe, William L.: Optical three-dimensional surveying instrument (A), JOSA 66: 1123
- Broder-Bursztyn, Fernando**
- ; Malacara-Hernandez, Daniel: Holographic interferometer to test optical surfaces (ET), AO 14: 2280
- Brodie, Scott E.** See Sirovich, Lawrence, JOSA 69: 1432
- Brodsky, M. H.**
- Structure and excitations of amorphous solids, an international conference, Williamsburg, 25-27 Mar 1976 (M), AO 15: 1662
- Brody, Edward M.** See Lettieri, T., JOSA 67: 1411
- Dynamics of Perfect Crystals. By G. Venkataraman, L. A. Feldkamp, and V. C. Sahni (B), JOSA 66: 80
- Light Scattering in Solids, Proceedings of the Third International Conference, Campinas, Brazil, July 25-30, 1975. Edited by M. Balkanski, R. C. C. Leite, and S. P. S. Porto (B), JOSA 66: 1444
- Optical Properties of Highly Transparent Solids. Edited by Shashanka S. Mitra and Bernard Bendow (B), JOSA 66: 873
- Broer, M. M.**
- ; Hegarty, J.; Imbusch, G. F.; Yen, W. M.: Spin-lattice relaxation in the excited  $^4S_{3/2}$  state of  $\text{Er}^{3+}$  in  $\text{LaF}_3$  (E), OL 3: 175
- Broersma, S.** See Hendrickson, P. E., JOSA 64: 1119; Mathai, C. V., JOSA 67: 1532
- ; Walls, W. L.: Thermodynamic derivatives of infrared absorbance (TE), JOSA 64: 1111
- Broida, H. P.** See Rosenwaks, S., JOSA 66: 75
- Bromage, G. E.**
- ; Cowan, Robert D.; Fawcett, B. C.; Ridgeley, A.: Classification of Be I-like and B I-like iron and vanadium spectra from laser-produced plasmas (TE), JOSA 68: 48
- Bronskill, M. J.** See Henkelman, R. M., JOSA 64: 134
- Brookes, Michael**
- Digital solid-state scan-converter with unusual display capabilities (E), AO 14: 1835
- Brooks, D. N.** See Higgins, Kent E., JOSA 68: 1392
- Brooks, Harvey**
- Does science have more to fear from its friends or its enemies? (A), JOSA 65: 1189
- Brooks, K.** See Coleman, Lamar W., JOSA 68: 547
- Brooks, Lawrence D.**
- ; Freeman, R. H.; Smith, T.; Cornwell, Dean F.: Closed-loop beam clean-up experiments using an image plane chopping wavefront error sensor (A), JOSA 68: 1385
- Construction and calibration of phase perturbation plates in photoresist (A), JOSA 66: 1065
- Real-time aberration generator-compensator (A), JOSA 67: 1365
- Scatterplate design (A), JOSA 68: 1417
- Brooks, Robert L.** See Donnelly, Keith E., JOSA 67: 1384; Pinnington, Eric H., JOSA 67: 1384
- Brophy, John H.**
- ; Rettner, C. T.: Laser two-photon ionization spectroscopy: a new method for real-time monitoring of atmospheric pollutants (E), OL 4: 337
- Brosnan, S.**
- ; Fleming, R. N.; Herbst, R. L.; Byer, Robert L.: Computer-controlled infrared parametric oscillator source (A), JOSA 66: 385
- ; Fleming, R. N.; Herbst, R. L.; Byer, Robert L.: Widely tunable infrared source by coherent Raman mixing in  $\text{H}_2$  (A), JOSA 66: 1126
- Brossier, P.** See Komm, D. S., AO 14: 460
- Brousseau, N.** See Arsenault, Henri H., JOSA 65: 1203, AO 13: 1013
- ; Arsenault, Henri H.: Emulsion thickness and space variance: combined effects in Vander Lugt optical correlators (ET), AO 14: 1679
- Focusing properties of synthetic aperture radar interferograms having range curvature aberrations (T), AO 18: 2580
- Brouwer, G. F.**
- ; Podzimek, O.: Halfshade analyzer (E) (L), AO 17: 1163
- Brouwer, Willem.** See Stewart, Harold S., JOSA 66: 1088, JOSA 67: 259
- Browder, James Steve.** See Ballard, Stanley S., JOSA 66: 1119, AO 17: 1152; McCurry, Max E., JOSA 67: 1443
- ; Ballard, Stanley S.: Low-temperature thermal-expansion measurements on new optical materials (A), JOSA 65: 1170
- ; Ballard, Stanley S.: Thermal expansion data for eight optical materials from 60 K to 300 K (E), AO 16: 3214
- ; McCurry, Max E.; Ballard, Stanley S.: Three-terminal capacitance cells for dielectric measurements from 60 to 500 K (A), JOSA 69: 1471
- ; Donoho, David; Hebb, Richard; Macrae, Stuart: Three-terminal capacitance method for measuring the dielectric constants of optical materials from room temperature to 77 K (A), JOSA 67: 1443
- Browell, Edward V.**
- Two-wavelength double-pulse tunable dye laser for dial applications (A), JOSA 66: 387
- ; Anderson, R. C.: Ultraviolet optical constants of water and ammonia ices (ET), JOSA 65: 919
- ; Wilkerson, Thomas D.; McIlrath, Thomas J.: Water vapor differential absorption lidar development and evaluation (E), AO 18: 3474
- Brown, A. C.** See Narducci, Lorenzo M., JOSA 66: 1076
- Brown, B.** See Wilson, I. J., AO 18: 426
- Brown, B. R.**
- Optical data storage potential of six materials (E), AO 13: 761
- Brown, Charles M.** See Feldman, Uri, JOSA 66: 853
- ; Ginter, Marshall L.: Absorption of Mn I between 1305 and 2040 Å (E), JOSA 68: 1541
- ; Ginter, Marshall L.; Tilford, Shelby G.: Absorption spectra of Zn I and Cd I in the 1300–1750 region (E), JOSA 65: 1404
- ; Ginter, Marshall L.: Absorption spectrum of Ag I between 1540 and 1850 Å (E), JOSA 67: 1323
- ; Ginter, Marshall L.: Absorption spectrum of Au I between 1300 and 1900 Å (E), JOSA 68: 243
- ; Ginter, Marshall L.: Absorption spectrum of Ba I between 1770 and 1560 Å (TE), JOSA 68: 817
- ; Tilford, Shelby G.; Ginter, Marshall L.: Absorption spectrum of B I in the 1350–1900-Å region (E), JOSA 64: 877
- ; Ginter, Marshall L.; Tilford, Shelby G.: Absorption spectrum of Ge I between 1500 and 1900 Å (E), JOSA 67: 584
- ; Ginter, Marshall L.; Tilford, Shelby G.: Absorption spectrum of Pb I between 1350 and 2041 Å (E), JOSA 67: 1240
- ; Tilford, Shelby G.; Tousey, Richard; Ginter, Marshall L.: Absorption spectrum of Si I between 1500 and 1900 Å (ET), JOSA 64: 1665
- ; Ginter, Marshall L.; Tilford, Shelby G.: Absorption spectrum of Sn I between 1580 and 2040 Å (E), JOSA 67: 607



- ; Ginter, Marshall L.; Tilford, Shelby G.: Extended identifications of odd energy levels of Si I: Lu-Fano graphical analysis (TE), JOSA 65: 385
- Brown, D. W.** See Taylor, M. J., AO 17: 885
- Brown, David C.** See Bunkenburg, J., JOSA 68: 542; Kelly, John H., JOSA 69: 1446; McCall, Gene H., JOSA 68: 542; Soures, J. M., JOSA 68: 542
- ; Jacobs, Stephen D.; Nee, Nancy: Parasitic oscillations, absorption, stored energy density and heat density in active-mirror and disk amplifiers (TE), AO 17: 211
- Brown, Frederick C.** See Rustgi, Om P., JOSA 64: 538
- Brown, H. See Ballman, A. A., JOSA 66: 290**
- Brown, J. C.** See Babcock, R. V., JOSA 68: 543
- Brown, John Lott.** See Kaiser, Peter K., JOSA 67: 1379
- Handbook of Sensory Physiology VII/3. Central Visual Information. A. Integrative Functions and Comparative Data; B. Visual Centers in the Brain. Edited by Richard Jung (B), JOSA 64: 1023
- Sensory Processes: The New Psychophysics. By Lawrence E. Marks (B), JOSA 65: 101
- Brown, K. M.** See Pearson, James E., JOSA 66: 392
- Brown, N.** See Loughhead, R. E., AO 17: 415
- Brown, Norman J.**  
Notes on optical coating removal (L), AO 17: 1846  
Single-spindle aspheric figuring with flexible pads (T), OL 1: 33
- Brown, Otis B.** See Gordon, Howard R., AO 13: 2153, AO 14: 417, AO 14: 2892
- ; Gordon, Howard R.: Size—refractive index distribution of clear coastal water particulates from light scattering (TE), AO 13: 2874
- Brown, R. Hanbury**  
Measuring the size of stars: the next step? (A), JOSA 68: 1419
- Brown, R. J.**  
—; Young, B. G.: Spectral emission signatures of ambient temperature objects (E), AO 14: 2927
- Brown, Stephen E.** See Ballard, Stanley S., JOSA 66: 1119, AO 17: 1152
- Brown, Timothy M.** See Smolka, F. M., AO 15: 2423
- Performance of image-plane sharpness criteria in image reconstruction (T), JOSA 68: 890  
Reconstruction of turbulence-degraded images using nonredundant aperture arrays (T), JOSA 68: 883
- Brown, W. P., Jr.** See Bridges, William B., AO 13: 291; Pearson, J. E., JOSA 65: 1212; Pearson, James E., JOSA 66: 1384; Yeh, Cavour, AO 15: 2913, AO 18: 489, AO 18: 1490
- Browne, Alan L.**  
Measuring total film thickness: an experimental procedure (TE) (L), AO 14: 1255  
—; Rohde, Steve M.: Moire contouring: mathematical analysis (T) (L), AO 14: 1260
- Brownstein, K. R.** See Carniglia, Charles K., JOSA 67: 1429, JOSA 67: 121
- Bruce, C. F.** See Cole, J. B., AO 14: 1303
- ; Clothier, W. K.: Optical properties of thin chromium films (TE), JOSA 64: 823
- ; Sharples, F. P.: Relative flatness measurement of uncoated optical flats (E), AO 14: 3082
- Bruce, Charles W.** See Brewer, R. J., AO 17: 3746; White, Kenneth O., JOSA 66: 1088, AO 17: 2711
- ; White, Kenneth O.: Absorption by HDO at DF laser wavelengths (A), JOSA 66: 1088
- ; Sojka, Brian Z.; Hurd, B. G.; Watkins, Wendell R.; White, Kenneth O.; Derzko, Z. I.: Application of pulsed-source spectrophotometry to absorption by methane at DF laser wavelengths (E) (L), AO 15: 2970
- ; Pinnick, R. G.: *In situ* imaginary refractive index measurements of quartz dust with a CO<sub>2</sub> laser spectrophotometer (A), JOSA 67: 257
- ; Pinnick, R. G.: *In-situ* measurements of aerosol absorption with a resonant cw laser spectrophotometer (ET) (L), AO 16: 1762
- Ozone absorption at 9  $\mu$ m CO<sub>2</sub> laser wavelengths (A), JOSA 65: 1163
- Pulsed spectrophotometer measurements of methane absorption coefficients (A), JOSA 65: 1164
- Spectrophotometer for *in situ* measurement of gaseous/particulate absorption (A), JOSA 66: 1071
- Bruce, D. M.**  
—; Mirza, M. Y.; Duley, W. W.: Collisional broadening and shift of Rydberg states of rubidium by inert gases (A), JOSA 69: 1407
- ; Duley, W. W.: Inert-gas broadening of highly excited Na atomic states (A), JOSA 67: 1418
- Bruce, Robert A.**  
—; Fitzpatrick, Gerald L.: Remote vibration measurement of rough surfaces by laser interferometry (ET), AO 14: 1621
- Bruce, Rufus E.** See Pierluissi, Joseph H., AO 16: 18
- ; Gillespie, James B.; Perez, O. G., Jr.: Interface model for frustrated total reflectance measurements of particulates (TE) (L), AO 16: 1783
- Bruck, A.**  
—; Sahar, E.; Agmon, E.; Shinitzky, M.: Fluorescence polarization microscope for automatic screening of membrane fluidity of individual cells (E), AO 16: 564
- Bruckner, Adam P.** See Christiansen, Walter H., AO 14: 1556; Shimizu, Koichi, JOSA 69: 1467, AO 18: 3484; Tokuda, A. R., JOSA 68: 1382
- ; Schurr, J. Michael; Martin, N. B.; Chang, E. L.: Observation of changes induced by picosecond light pulses in suspensions of dipalmitoyl phosphatidyl choline vesicles (E) (L), AO 18: 1876
- Picosecond light scattering measurements of cataract microstructure (E), AO 17: 3177
- Brudzewski, Kazimierz**  
Effect of surface roughness on change of the polarization state of light reflected from silicon and germanium (ET), AO 15: 115
- Brueck, S. R. J.** See Kildal, Helge, JOSA 68: 549
- ; Belanger, L. J.; Kildal, Helge: Density fluctuations generated in simple liquids by intense laser radiation (A), JOSA 69: 1471
- ; Kildal, Helge: Efficient phase-matched infrared third-harmonic generation in liquid CO—O<sub>2</sub>—SF<sub>6</sub> mixtures (ET), OL 2: 33
- ; Kildal, Helge: Efficient third harmonic generation in liquid CO—O<sub>2</sub> mixtures (A), JOSA 68: 1626
- ; Deutsch, T. F.: Infrared double resonance of highly vibrationally excited SF<sub>6</sub> (A), JOSA 68: 686
- ; Kildal, Helge: Resonant infrared four-wave mixing in cryogenic liquids (A), JOSA 67: 1369
- ; Kildal, Helge: Third-order nonlinear coefficients of cryogenic liquids (A), JOSA 69: 1464
- Brueckner, Guenther E.** See Bartoe, John-David F., JOSA 64: 1371, AO 16: 879, JOSA 65: 13, JOSA 65: 617; Koomen, M. J., AO 14: 743; Tousey, Richard, AO 16: 870; VanHoosier, M. E., AO 16: 887
- Spectrophotometry of the solar UV line spectrum with the NRL spectrograph on board Skylab (A), JOSA 64: 1375
- Brueckner, Keith A.**  
—; Jorna, Siebe; Moncur, N. Kent: Double pass laser amplifiers (ET) (L), AO 13: 2183
- ; Howard, James E.: Ellipsoidal illumination system optimization for laser fusion experiments (T), AO 14: 1274
- Power-limited glass amplifiers: an optimized design (T), AO 15: 2172
- Bruening, Robert J.**  
—; McSparron, Donald A.: Spectral irradiance intercomparison (A), JOSA 67: 1412
- Brumfield, M. L.** See Poultney, Sherman K., AO 16: 3180
- Brumme, G.** See Lindner, F. W., AO 14: 2225
- Brun, P.** See Le Floch, A., AO 15: 2673
- Brunel, L.-C.**  
Dynamical Scattering of X-Rays in Crystals. By Z. G. Pinsker (B), AO 17: 3854
- Bruning, J. H.**  
—; Gallagher, J. E.; Rosenfeld, D. P.; White, A. D.; Brangaccio, D. J.; Herriott, Donald R.: Digital wavefront measuring interferometer for testing optical surfaces and lenses (ET), AO 13: 2693
- Brunner, P. T.** See Bridges, William B., AO 13: 291
- Brunol, J.** See Chavel, Pierre, JOSA 69: 1442
- Brunsting, Albert.** See Latimer, Paul, AO 17: 3152; Pyle, B. E., AO 18: 3615
- Brus, L. E.** See Bondybey, V. E., JOSA 66: 1100
- Brussell, Edward M.**  
—; Adkins, John; Stober, Stephen R.: Increment thresholds, luminance, and brightness (E) (L), JOSA 67: 1354
- Bruton, J. E.** See Bukata, R. P., AO 18: 3926
- Bryan, D. A.** See Begley, D. L., AO 16: 1549
- Bryan, James B.** See Frank, Alan M., AO 17: 671
- Bryan, S. D.** See Hill, H. A., JOSA 69: 978
- Bryant, Howard C.**  
Field Concept in Contemporary Science. By Mendel Sachs (B), JOSA 64: 112
- Bryngdahl, Olof.** See Lee, Wai-Hon, JOSA 64: 1370
- Characteristics of superposed patterns in optics (TE), JOSA 66: 87
- Different types of moire patterns (A), JOSA 66: 1131
- Generalizations in formation of moire (A), JOSA 64: 1402
- Geometrical transformations in optics (TE), JOSA 64: 1092
- Halftone images: spatial resolution and tone reproduction (TE), JOSA 68: 416
- ; Lee, Wai-Hon: Laser-beam scanning using computer-generated hologram (A), JOSA 65: 1224
- ; Lee, Wai-Hon: Laser beam scanning using computer-generated holograms (TE), AO 15: 183
- ; Lee, Wai-Hon: Light distribution in optical waveguides (TE), JOSA 68: 310
- Moire and higher grating harmonics (ET), JOSA 65: 685
- Moire: formation and interpretation (ET), JOSA 64: 1287
- Optical map transformations (A), JOSA 64: 545
- ; Lee, Wai-Hon: Polar-shearing interferometry (A), JOSA 64: 1370
- Presentation of halftone images on bilevel displays (A), JOSA 68: 1361
- ; Lee, Wai-Hon: Shearing interferometry in polar coordinates (TE), JOSA 64: 1606
- Buabhd, George H.** See Bashara, N. M., JOSA 68: 1424
- Bucaro, J. A.** See Day, Donald K., JOSA 67: 1410; Layton, M. R., AO 18: 666
- ; Hickman, T. R.: Measurement of sensitivity of optical fibers for acoustic detection (E), AO 18: 938
- ; Dardy, H. D.; Carome, E. F.: Optical fiber acoustic sensor (E) (L), AO 16: 1761
- ; Carome, E. F.: Single fiber interferometric acoustic sensor (E) (L), AO 17: 330
- Buchet, J. P.** See Druetta, M., JOSA 66: 433; Knystautas, E. J., JOSA 69: 474
- ; Druetta, M.: Beam-foil spectroscopy of neon between 80 and 350 (E), JOSA 65: 991
- ; Buchet-Poulizac, M. C.: Beam-foil study of nitrogen between 100 and 400 Å (E), JOSA 64: 1011
- ; Buchet-Poulizac, M. C.; Druetta, M.: Lifetime measurements in O VI, O V, and O IV between 100 and 1700 Å (E), JOSA 66: 842
- Buchet-Poulizac, M. C.** See Buchet, J. P., JOSA 64: 1011, JOSA 66: 842; Knystautas, E. J., JOSA 69: 474
- Buchhave, Preben**  
Laser Doppler anemometry symposium, Technical University of Denmark, 25-28 Aug 1975 (M), AO 14: 2780
- Buchheim, R. K.**  
—; Pringle, R.; Schaefgen, H. W.: Lead-angle effects in turbulence-compensating reciprocity tracking systems (T) (L), AO 17: 165
- Buchman, William W.**  
Index matching reduces peak electric fields in thin-film polarizers (T), AO 14: 1220
- Buchroeder, Richard A.** See Fischer, Robert E., JOSA 66: 1121
- ; Hooker, R. Brian: Aberration generator (E), AO 14: 2476
- Atmospheric lens of the Grace Flandrau Planetarium (A), JOSA 66: 1113
- Recent advances in astronomical optics: comments on (T) (L), AO 13: 22
- Buchwald, Melvin I.** See Jones, C. Randy, JOSA 68: 671; McDowell, Robin S., OL 4: 274
- Buck, Arden L.**  
Lyman-alpha radiation source with high spectral purity (E) (L), AO 16: 2634
- Lyman-alpha radiation source with high spectral purity (errata), AO 17: 1853
- Buck, Steven L.** See Frome, Francine, JOSA 67: 1409
- ; Makous, Walter: Calibrating Maxwellian optical systems (A), JOSA 68: 1392
- ; Frome, Francine; Boynton, Robert M.: Initial justness and subsequent fading of minimally distinct borders (E) (L), JOSA 67: 1126



- Buckingham, A. D.**  
—; Tabisz, G. C.: Collision-induced rotational Raman scattering (T), OL 1: 220
- Buckler, M. J.**  
—; Santana, M. R.: Effect of temperature on fiber loss and pulse delay distortion for an exploratory fiber optical cable (A), JOSA 67: 708
- ; Wilson, L.; Partus, F. P.: Optical fiber transmission properties before and after cable manufacture (A), JOSA 67: 707
- Bucklew, James**  
—; Gallagher, Neal C., Jr.: Comprehensive error models and a comparative study of some detour-phase holograms (TE), AO 18: 2861
- ; Gallagher, Neal C., Jr.: Detour phase error in the Lohmann hologram (T), AO 18: 575
- Buckley, R. G.**  
—; Beaglehole, D.: Absorptance of thin films (T), AO 16: 2495
- Buckman, A. B.**  
—; Kuo, C.: Coupled surface plasmons in structures with thin metallic layers (TE), JOSA 69: 343
- ; Kwok, A. C.: Diffraction from photolysis-induced dielectric gratings in thin PbI<sub>2</sub> films (A), JOSA 68: 1423
- Effective electro-optic coefficient of multilayer dielectric waveguides: modulation enhancement (T), JOSA 66: 30
- ; Kuo, C.: Fizeau interferometry for measuring refractive index and thickness of nearly transparent films (TE), AO 17: 3636
- ; Hong, N. H.; Wilson, D.: Large refractive-index change in PbI<sub>2</sub> films by photolysis at 150–180°C (E), JOSA 65: 914
- Nonlinearity of effective index versus bulk index in multilayer dielectric waveguides: Large incremental effective index sensitivity (T), JOSA 67: 1187
- ; Hong, N. H.: Origin of the large refractive index change in photolyzed PbI<sub>2</sub> films (E) (L), JOSA 67: 1123
- ; Wilson, D.; Liesveld, R. P.: Photodissociation of PbI<sub>2</sub> films at 150–175°C: optical constants vs wavelength and exposure (A), JOSA 64: 1384
- Buckmelter, James.** See Kurdock, John, AO 14: 1808
- Buckner, James D.**  
—; Council, Harold W.; Edwards, Thomas R.: Image reproduction with interactive graphics (E), AO 13: 2061
- Bucksbaum, P.** See Chu, S., AO 18: 1138
- Buczek, Carl J.**  
Speckle, heterodyne detection, and object rotation (A), JOSA 66: 179
- Budde, W.**  
Multidecade linearity measurements on Si photodiodes (E), AO 18: 1555
- Polarization effects in gloss measurements (T), AO 18: 2252
- Buder, Tommy E.** See Barakat, Richard, JOSA 69: 1604
- Budhiraja, C. J.** See Som, S. C., AO 14: 1702
- ; Som, S. C.: Improvement of image quality in holographic microscopy (A), JOSA 66: 1061
- Budiansky, B.**  
—; Drucker, D. C.; Kino, G. S.; Rice, J. R.: Pressure sensitivity of a clad optical fiber (T), AO 18: 4085
- Bueno de Mesquita, Albert E.** See Koenderink, Jan J., JOSA 68: 845, JOSA 68: 850, JOSA 68: 854, JOSA 68: 860
- Buffington, Andrew.** See Muller, Richard A., JOSA 64: 1200; Pollaine, S., JOSA 68: 539, JOSA 69: 84
- ; Crawford, F. S.; Muller, R. A.; Orth, C. D.: First observatory results with an image-sharpening telescope (E), JOSA 67: 304
- ; Crawford, F. S.; Muller, R. A.; Schwemin, A. J.; Smits, R. G.: Multiple-pulse thermal blooming and phase compensation (E), JOSA 67: 298
- Button, Jack L.** See Iyer, Ramakrishna S., JOSA 66: 1095, AO 16: 1997; Minott, Peter O., JOSA 64: 540
- ; Caudill, Louis O.; Spinhire, James; Hansen, Mark Z.: Airborne cloud lidar system: instrument description and flight performance (A), JOSA 69: 1399
- ; Stewart, Richard W.; Atwater, Thomas W.: Application of a CO<sub>2</sub> differential absorption lidar system to ozone measurement in an urban area (A), JOSA 69: 1398
- ; Iyer, Ramakrishna S.: Continuous wave lidar measurement of atmospheric visibility (ET), AO 17: 265
- ; Taylor, Leonard S.: Laser-beam scintillation beyond the turbulent atmosphere (A), JOSA 65: 1217
- ; Taylor, Leonard S.: Laser-beam scintillation beyond the turbulent atmosphere: a numerical computation (TE), AO 15: 2534
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- ; Stewart, Richard W.; Weng, Chi: Remote measurement of tropospheric ozone (E) (L), AO 18: 3363
- ; Iyer, Ramakrishna S.; Taylor, Leonard S.: Scintillation statistics caused by atmospheric turbulence and speckle in satellite laser ranging (T), AO 16: 2408
- Scintillation statistics measured in an earth-space-earth retroreflector link (E), AO 16: 2654
- ; Caudill, Louis O.; McGunigal, Thomas E.; Piech, Kenneth R.: Skylab-earth laser-beacon experiment: results and analysis (E) (L), JOSA 69: 1180
- ; Caudill, Louis O.; McGunigal, Thomas E.; Piech, Kenneth R.: Skylab-earth laser-beacon experiment: results and analysis (E) (L), JOSA 69: 1198
- Buhl, David.** See Abbas, M. M., AO 15: 427, AO 16: 2793; Hillman, J. J., OL 1: 81
- Buijs, H. J.** See Cann, M. W. P., JOSA 67: 1442
- Buijs, H. L.** See Roney, P. L., AO 17: 2599
- Bukata, R. P.**  
—; Jerome, J. H.; Bruton, J. E.; Jain, S. C.: Determination of inherent optical properties of Lake Ontario coastal waters (E), AO 18: 3926
- Bukreev, V. S.** See Balashov, A. A., AO 17: 1716
- Bullough, R. K.** See Hermann, J. A., JOSA 68: 701
- Bullrich, Kurt**  
—; Haenel, G.: Atmospheric aerosols and their optical properties (A), JOSA 67: 256
- ; Eiden, Reiner: Effects of aerosol particles on visibility, atmospheric pollution, radiation budget, and climate (A), JOSA 67: 260
- Radiation and remote probing of the atmosphere, International conference on, UCLA, 28–30 Aug 1973 (M), AO 13: 7
- Bulmer, C. H.**  
—; Wilson, M. G. F.: Distributed coupling between a single-mode fiber and a planar waveguide (A), JOSA 66: 291
- ; Burns, W. K.; Giallorenzi, Thomas G.: Performance criteria and limitations of electrooptic waveguide array deflectors (TE), AO 18: 3282
- Bulos, B. R.**  
—; Gupta, R.; Happer, W.: Lifetime measurements in the excited S states of K, Rb, and Cs by the cascade-Hanle effect (TE), JOSA 66: 426
- ; Glassman, A. J.; Gupta, R.; Moe, G. W.: Measurement of the lifetimes of the  $z^2F_{5/2}$ ,  $z^2D_{3/2}$ ,  $z^4G_{3/2}$ , and  $y^2D_{3/2}$  states of lanthanum (E), JOSA 68: 842
- Bulsara, A. R.** See Gragg, R. F., JOSA 68: 1636
- Bulthuis, K.**  
—; Kenney, George C., II: Philips MCA videodisc system (A), JOSA 66: 379
- Bunkenburg, J.** See Soares, J. M., JOSA 68: 542
- ; Brown, David C.; Soares, J. M.; Seka, W.: Pulse shaping considerations for large laser systems (A), JOSA 68: 542
- Bunn, F. E.** See Fabian, W., JOSA 67: 1363; Nicholls, Ralph W., JOSA 69: 1399
- Bunner, R. H. L.** See Young, Charles, AO 13: 1438
- Burak, L.**  
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- Burbo, James**  
Photo-Electronic Image Devices, Proceedings of the Sixth Symposium, Imperial College, London, September 9–13, 1974, Volume 40A, Advances in Electronics and Electron Physics. Edited by L. Marton (B), JOSA 67: 1134
- Burch, Darrell E.** See Gryvnak, David A., JOSA 68: 1425; Herget, William F., AO 15: 1222
- Burch, J. M.**  
—; Williams, D. C.: Varifocal moire zone plates for straightness measurement (TE), AO 16: 2445
- ; Forno, C.; Poole, S. P.: White light methods in engineering metrology (A), JOSA 69: 1418
- Burcher, E. E.** See Huck, Fred O., AO 16: 2454
- ; Sinclair, A. R.; Huck, Fred O.: Quasi-microscope concept for planetary missions: stereo (E) (L), AO 17: 2130
- Burckhardt, C. B.**  
Fourier-Optik und Holographie. By E. Menzel, W. Mirande, and I. Weingaertner (B), JOSA 65: 361
- Burdonsky, J. N.**  
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- Bures, Jacques**  
Degeneracy of light and the optimum accuracy of photoelectric measurements (T), JOSA 64: 1598
- Burger, Douglas E.** See Salzman, G. C., JOSA 67: 1382
- Burgess, D. D.** See Mahajan, C. G., OL 4: 283
- Burgess, J. W.**  
—; Hurditch, R. J.; Kirkby, C. J.; Scrivener, G. E.: Holographic storage and photoconductivity in PLZT ceramic materials (TE), AO 15: 1550
- Burgess, S.** See Lindsay, S. M., AO 16: 1404
- Burke, Bernard F.**  
Very-long-baseline interferometry—achievements and prospects (A), JOSA 64: 522
- Burke, James J.** See Bomberger, W. D., JOSA 69: 1448; White, Ian A., AO 18: 2362
- Integrated Optics. Edited by T. Tamir (B), JOSA 65: 1528
- ; Breckinridge, James B.: Passive imaging through the turbulent atmosphere: fundamental limits on the spatial frequency resolution of a rotational shearing interferometer (T), JOSA 68: 67
- ; Beshore, E. C.; Gotobed, J. S.; Kingston, R. L.; Strickland, R. N.: Spin-scan images of Saturn from Pioneer II: distortion correction (A), JOSA 69: 1450
- Burke, W. J.** See Bell, A. E., JOSA 68: 1418; Bloom, Allen, AO 16: 2614
- ; Ettenberg, M.; Kressel, Henry: Optical feedback effects in cw injection lasers (E), AO 17: 2233
- Burkhalter, P. G.**  
—; Doschek, G. A.; Feldman, Uri: Laser-produced x-ray spectra of the fluorine isoelectronic sequence for Zn, Ge, and Se (E), JOSA 67: 741
- ; Cohen, Leonard; Cowan, Robert D.; Feldman, Uri: L-series satellite spectra in Ti XII and Fe XVI (E), JOSA 69: 1133
- ; Reader, Joseph; Cowan, Robert D.: Spectra of Mo XXX, XXXI, and XXXII from a laser-produced plasma (E), JOSA 67: 1521
- ; Feldman, Uri; Cowan, Robert D.: Transitions in highly ionized Sn spectra from a laser-produced plasma (ET), JOSA 64: 1058
- Burkhard, Daryl R.** See Burkhard, Donald G., AO 17: 1870
- ; Burkhard, Donald G.: Solar concentrating properties of a rectilinear flat-sided trough (A), JOSA 66: 1069
- Burkhard, Donald G.** See Burkhard, Daryl R., JOSA 66: 1069; Shealy, David L., JOSA 66: 1122; Strobel, George L., JOSA 66: 1122
- ; Shealy, David L.: Conversion by reflection of line-source radiation into an arbitrary irradiance pattern (A), JOSA 64: 1357
- ; Shealy, David L.: Energy over the caustic surface (A), JOSA 66: 1122
- ; Strobel, George L.; Burkhard, Daryl R.: Flat-sided rectilinear trough as a solar concentrator: an analytical study (T), AO 17: 1870
- ; Strobel, George L.: Laser fusion employing six orthogonal laser beams (A), JOSA 66: 1122
- ; Shealy, David L.: Shaping a refractor surface to produce a specified energy distribution over a receiver surface (A), JOSA 66: 1114
- ; Strobel, George L.; Shealy, David L.: Solar concentrating properties of some simple truncated cones (A), JOSA 66: 1070
- ; Shealy, David L.; Strobel, George L.: Solar concentrating properties of truncated pyramidal, hexagonal, and circular cones (A), JOSA 67: 1395
- ; Strobel, George L.; Shealy, David L.: Solar concentrating properties of truncated hexagonal, pyramidal and circular cones (T), AO 17: 2431



- ; Shealy, David L.: Some new results in geometrical optics (A), JOSA 68: 1452
- ; Shealy, David L.: Specular aspheric surface to obtain a specified irradiance from discrete or continuous line source radiation: design (T), AO 14: 1279
- ; Strobel, George L.; Shealy, David L.: X-ray telescope design (A), JOSA 66: 1096
- Burkhardt, H.**
- ; Bauer, G.; Lopez-Otero, A.: Submillimeter spectroscopy of TO-phonon mode softening in PbTe (E), JOSA 67: 943
- Burkhardt, E. G.** See Kang, M. H., JOSA 68: 706
- Burkhart, G. H.** See Rice, R. R., AO 17: 1824
- Burlakoff, M.** See Hogge, C. B., AO 13: 1065
- Burlamacchi, P.**
- ; Salimbeni, R.; Pratesi, Riccardo: Graded-gain dye laser amplifiers: an experimental investigation (E), AO 14: 1311
- ; Pratesi, Riccardo; Ronchi, Laura: Self-guiding flashlamp-pumped dye lasers (TE), AO 14: 79
- ; Vanni, U.; Pratesi, Riccardo: Tunable superradiant emission from a planar dye laser (E), AO 15: 2684
- ; Coisson, R.; Pucci, D.; Pratesi, Riccardo: Two-wavelength operation of a double-pass planar dye laser amplifier (E), AO 16: 1553
- Burmaw, M. Y.** See Warde, Cardinal, OL 3: 196, OL 4: 73
- Burnett, James W.**
- ; Huang, Thomas S.: Image mensuration by maximum *a posteriori* probability estimation (TE), JOSA 68: 157
- Burnett, N. H.** See Baldis, H. A., JOSA 67: 1396; Enright, G. D., JOSA 67: 1409
- Burnham, R.**
- ; Djeu, N.: Efficient Raman conversion of XeCl-laser radiation in metal vapors (E), OL 3: 215
- Optically pumped bismuth lasers at 472 and 475 nm (A), JOSA 68: 714
- Burnham, Robert D.** See Scifres, Donald R., JOSA 66: 291, JOSA 66: 1114, JOSA 66: 1115, JOSA 68: 1364, JOSA 68: 1434; Streifer, William, JOSA 64: 1365, JOSA 65: 1221, JOSA 66: 1115, JOSA 67: 1424, JOSA 68: 1434, JOSA 69: 1482, AO 18: 3547, JOSA 66: 1359
- Discharge-pumped rare-gas halide lasers (A), JOSA 66: 1100
- ; Scifres, Donald R.; Streifer, William: Highly collimated laser beams from distributed-feedback lasers (A), JOSA 65: 225
- Burnham, Roger K.** See Farrow, Michael M., AO 17: 1093
- Burns, G.**
- Vibration Spectra and Symmetry of Crystals. By H. Poulet and J. P. Mathieu (B), AO 17: 498
- Burns, M.** See Murnick, D. E., JOSA 68: 649
- ; Francke, R.; Austin, M.; Ryan, L. W., Jr.; Feld, M. S.: Laser spectrophotometer for measuring differential cross sections of biological particles (E), AO 15: 672
- ; Pappas, P.; Murnick, D. E.; Feld, M. S.: Nuclear orientation induced by intense resonant laser radiation (A), JOSA 66: 1125
- Burns, Stephen A.** See Gast, Thomas J., JOSA 69: 632
- ; Smith, Vivianne C.; Pokorny, Joel: Chromatic brightness for lights of constant luminance (A), JOSA 69: 1405
- Duration thresholds for lights of varying purity (A), JOSA 68: 1399
- ; Elsner, Ann E.; Pokorny, Joel; Smith, Vivianne C.: Null coordinates for the opponent color channels (A), JOSA 69: 1406
- Burns, W. K.** See Bulmer, C. H., AO 18: 3282; Hocker, G. B., AO 16: 113; Milton, A. F., AO 14: 1207; Sheem, Sang K., OL 3: 76
- ; Lee, A. B.: Active branching waveguide modulator (A), JOSA 66: 1101
- ; Lee, A. B.: Effect of thin-film thickness on Abeles-type index measurements (E) (L), JOSA 64: 108
- ; Hocker, G. B.: End fire coupling between optical fibers and diffused channel waveguides (A), JOSA 67: 1393
- ; Hocker, G. B.: End fire coupling between optical fibers and diffused channel waveguides (T) (L), AO 16: 2048
- Laser diode end-fire coupling into Ti:LiNbO<sub>3</sub> waveguides (TE) (L), AO 18: 2536
- ; Warner, John: Mode dispersion in uniaxial optical waveguides (T), JOSA 64: 441
- ; Milton, A. F.; Lee, A. B.; West, E. J.: Optical modal evolution 3-dB coupler (ET), AO 15: 1053
- ; Milton, A. F.: Power transfer between local normal modes in dielectric waveguide devices (A), JOSA 66: 288
- Burrows, A. A.**
- ; Hamilton, V. E.: Stereopsis using a large aspheric field lens (ET) (L), AO 13: 739
- Burrows, C. A.** See Cherin, Allen H., AO 13: 2359; Stone, J., JOSA 67: 708, AO 13: 1256, AO 14: 151
- ; Stone, J.: Single-crystal fiber-optical devices: a Nd:YAG fiber laser (A), JOSA 65: 1221
- ; Standley, R. D.: Viewing refractive-index profiles and small-scale inhomogeneities in glass optical fibers: some techniques (E), AO 13: 2365
- Bursell, Sven-Erik**
- ; Laing, Ronald A.: Noninvasive studies of choroidal blood flow (A), JOSA 65: 1171
- Burstein, E.** See Chen, W. P., JOSA 67: 255; Hjortberg, A., JOSA 67: 253, AO 17: 430
- Burt, Peter**
- ; Julesz, Bela: Disparity-gradient limit for binocular fusion (A), JOSA 69: 1479
- ; Sperling, George; Julesz, Bela: Range of stereopsis (A), JOSA 68: 1365
- Burton, C. H.**
- Nonplanar wire polarizers for the far infrared (T) (L), AO 18: 420
- Busch, Gar E.** See Tarvin, Jeffrey A., AO 18: 2971
- Buser, Rudolf G.** See Gerber, H. E., JOSA 67: 258; Lutomirski, Richard F., AO 13: 2869, AO 16: 665; Rohde, Robert S., AO 18: 698
- ; Rohde, Robert S.: Transient thermal blooming of long laser pulses (E), AO 14: 50
- ; Rohde, Robert S.; Berger, Paul J.; Gebhardt, F. G.; Smith, David C.: Transient thermal blooming of single and multiple short laser pulses (A), JOSA 66: 78
- ; Rohde, Robert S.; Berger, Paul J.; Gebhardt, F. G.; Smith, David C.: Transient thermal blooming of single and multiple short laser pulses (TE), AO 14: 2740
- Busse, G.**
- ; Herboeck, D.: Differential Helmholtz resonator as an optoacoustic detector (E), AO 18: 3959
- Bussoletti, E.** See Baluteau, J. P., AO 16: 1834
- Butler, J. D.** See Shaffer, J. J., AO 18: 3217
- Butler, J. F.** See Aronson, J. R., JOSA 64: 1388, AO 14: 1120; Hinkley, E. David, AO 15: 1653
- Butler, S. M.** See Bongianini, W. L., JOSA 68: 545
- Butler, T. W.** See Wooten, Billy R., JOSA 66: 1429
- Butter, C. D.**
- ; Hocker, G. B.: Fiber optics strain gauge (ET) (L), AO 17: 2867
- Butterfield, A. W.** See Gibbs, W. E. K., AO 14: 3043
- Butters, J. N.**
- DGAO—German Applied Optical Society, annual meeting, Bad Ischl, 20-24 May 1975 (M), AO 14: 2049
- Speckle interferometry with television systems (A), JOSA 66: 183
- Butterweck, H. J.**
- General theory of linear, coherent optical data-processing systems (E), JOSA 67: 60
- Buttnr, U.** See Julesz, Bela, JOSA 66: 1090
- Button, K. J.** See Rosenblum, M., AO 15: 2635; Wolfe, S. M., AO 15: 2645
- Button, Kenneth J.**
- State of the art in submillimeter-wave research (A), JOSA 64: 532
- Buttram, M.**
- ; Rohwein, G. R.; Prestwich, K. R.: Development of high average power drives technology for inertially confined fusion systems (A), JOSA 68: 545
- Butts, R. R.** See Avizonis, P. V., AO 14: 1911; Hogge, C. B., AO 13: 1065; Nagel, J., OL 4: 300
- ; Avizonis, P. V.; Tomkins, Frank S.: Asymptotic analysis of unstable laser resonators with circular mirrors (A), JOSA 68: 551
- ; Avizonis, P. V.: Asymptotic analysis of unstable laser resonators with circular mirrors (T), JOSA 68: 1072
- ; Hogge, C. B.: Phase conjugate adaptive optics using perimeter phase measurement (T), JOSA 67: 278
- Buxton, R. A. H.**
- ; Duley, W. W.: Limitations on the interpretation of specular reflection spectra with an application to solid CO (TE), AO 13: 1184
- Buzawa, M. J.**
- Image Analysis and Evaluation: SPSE Conference Proceedings, July 1976. Edited by R. Shaw (B), AO 17: 1159
- Bybee, R. L.** See Timothy, J. Gethyn, AO 14: 1632
- Byckling, Eero**
- Wave propagation in optical systems (A), JOSA 64: 564
- Byer, Robert L.** See Baumgartner, Richard A., JOSA 66: 386, JOSA 68: 688, OL 2: 163, AO 17: 3555; Brosnan, S., JOSA 66: 385, JOSA 66: 1126; Duncan, Michael D., JOSA 68: 1433; Hennesian, Michael A., JOSA 68: 648, OL 1: 149; Henningsen, T., JOSA 64: 257; May, A. D., JOSA 67: 1397; Paul, Jeff, JOSA 66: 384; Trutna, W. Rick, JOSA 68: 1395; Wolfe, D. C., JOSA 69: 1411
- ; Hennesian, Michael A.: Absolute CARS conversion efficiency and focusing measurements with single-mode laser sources (A), JOSA 69: 1476
- High-energy diffraction-limited unstable resonator Nd:YAG laser source (A), JOSA 66: 1133
- ; Herbst, R. L.: High-energy LiNbO<sub>3</sub> tunable source (A), JOSA 67: 255
- High-Resolution Laser Spectroscopy, Volume 13. Edited by K. Shimoda (B), JOSA 67: 850
- Laser Spectroscopy of Atoms and Molecules, Topics in Applied Physics, Volume 2. Edited by Herbert Walther (B), JOSA 67: 850
- 16  $\mu$ m generation by CO<sub>2</sub> pumped rotational Raman scattering in H<sub>2</sub> (A), JOSA 68: 1393
- ; Trutna, W. Rick: 16  $\mu$ m generation by CO<sub>2</sub>-pumped rotational Raman scattering in H<sub>2</sub> (A), JOSA 68: 1622
- ; Trutna, W. Rick: 16- $\mu$ m generation by CO<sub>2</sub>-pumped rotational Raman scattering in H<sub>2</sub> (E), OL 3: 144
- Optical parametric oscillator threshold and linewidth studies (A), JOSA 68: 1395
- ; Shepp, Lawrence A.: Two-dimensional remote air-pollution monitoring via tomography (T), OL 4: 75
- Byrd, Ronald E.**
- Environmental effects on segmented windows (A), JOSA 65: 1175
- Byrne, Dale M.** See King, Michael D., JOSA 67: 256; Reagan, John A., JOSA 67: 259
- Aerosol particle characterization using both scattering and extinction measurements (A), JOSA 68: 1358
- ; King, Michael D.: Improved accuracy of spectral aerosol optical depth measurements: Inference of total ozone (A), JOSA 67: 258
- ; Reagan, John A.: Remote detection of atmospheric aerosols using lidar (A), JOSA 67: 1370
- Byrne, J.**
- ; Peters, G. I.; Allen, L.: Stimulated emission from nuclei (T), AO 13: 2499
- Byrns, D. A.**
- ; Morford, S. C.: High-accuracy satellite laser ranging system (A), JOSA 66: 380
- Bytchkov, R. M.**
- ; Koronkevitch, V. P.; Chugui, Yu. V.: Threaded article parameter measurement by spatial spectra analysis (TE), AO 18: 197
- Cabaj, A.**
- ; Ranninger, G.; Windischbauer, G.: Shadowless moire topography using a single source of light (E) (L), AO 13: 722
- Cadman, T. W.**
- ; Sadowski, David: Generalized equations for the calculation of absorptance, reflectance, and transmittance of a number of parallel surfaces (T), AO 17: 531
- Cadwallender, W. K.** See Lavan, M. J., AO 15: 2627
- Caelli, Terry**
- ; Julesz, Bela: Psychophysical evidence for global feature processing in visual texture discrimination (TE), JOSA 69: 675
- ; Hoffman, William; Lindman, Harold: Subjective Lorentz transformations and the perception of motion (ET), JOSA 68: 402
- Cahill, R. F.**
- ; Udd, E.: Phase-nulling fiber-optic laser gyro (ET), OL 4: 93
- Cahuzac, Ph.**
- ; Toschek, P. E.: Light-induced collisional energy transfer (A), JOSA 68: 713
- Caimi, Frank.** See Casasent, David, AO 15: 815, AO 15: 2631



- Cain, M. L.** See Ferneyhough, D. G., JOSA 66: 174
- Caird, John A.**  
 —; Hessler, Jan P.; Carnall, W. T.; Williams, C. W.; Lance-Gomez, T.:  $TbCl_3$ - $AlCl_3$  vapors: characteristics of a potential new high-energy gas phase laser medium (A), JOSA 68: 549  
 Theoretical analysis of rare-earth laser materials (A), JOSA 64: 535
- Calatroni, J. A. E.** See Da Costa, German, JOSA 67: 1443, AO 17: 2381, AO 18: 233
- ; Garavaglia, M.: New analysis of the theory of Rowland ghosts (T) (errata), AO 13: 1009
- Calderone, T.** See Kokorowski, S. A., JOSA 68: 1385
- Caldwell, C. Denise**  
 Digital lock-in technique for measurement of polarization of radiation (E), OL 1: 101
- Caledonia, George E.** See Murphy, Randall E., JOSA 67: 250
- ; Teare, J. D.: Laser-beam-hygroscopic-aerosol interactions (A), JOSA 65: 1202
- Calfee, R. F.** See Schwiesow, R. L., AO 16: 1145, AO 18: 3911
- Cali, C.**  
 —; Daneu, V.; Orioli, A.; Riva-Sanseverino, S.: Flash evaporation of compounds with a pulsed-discharge  $CO_2$  laser (E), AO 15: 1327
- Calixto, Sergio.** See Roychoudhuri, Chandrasekhar, JOSA 67: 1385
- Callahan, Gary M.** See Harvey, James E., JOSA 67: 1367
- Callahan, Philip S.**  
 Giant mirror of Birr (L), AO 17: 678  
 —; Mankin, R. W.: Insects as unidentified flying objects (ET), AO 17: 3355  
 Insects as unidentified flying objects: author's reply to comment; 1 (TE) (L), AO 18: 2724  
 Moth and candle: the candle flame as a sexual mimic of the coded infrared wavelengths from a moth sex scent (pheromone) (ET), AO 16: 3089  
 —; Hamilton, Eugene: Pumping frequency for the 17- $\mu m$  ir emission from the cabbage looper moth sex scent (pheromone) (E) (L), AO 16: 1476  
 Solid state organic (pheromone-beeswax) far infrared maser (E), AO 16: 1557  
 Tapping modulation of the far infrared (17- $\mu m$  region) emission from the cabbage looper moth pheromone (sex scent) (ET), AO 16: 1505  
 Tyndall, John: unifier of 19th century science (L), AO 18: 255
- Callary, P. R.**  
 —; Carniglia, Charles K.: Explanation of enhanced internal reflection (A), JOSA 65: 1208  
 —; Carniglia, Charles K.: Internal reflection from an amplifying layer (T), JOSA 66: 775
- Callaway, P. W.** See Bender, M. L., AO 13: 2623
- Callicott, T. A.**  
 —; Arakawa, E. T.: Ultraviolet optical properties of Li (E), JOSA 64: 839
- Callender, A. B.** See Saito, Theodore T., JOSA 64: 536, AO 14: 721
- Calvert, J. G.** See Chang, Y. S., JOSA 67: 1441, AO 16: 2116; Lin, Chun L., AO 17: 993; Nordstrom, R. J., AO 16: 1477
- Camac, Morton.** See Ebersole, John F., JOSA 68: 1358
- Camlibel, I.** See Benson, W. W., AO 17: 2271
- Camm, J.** See Wallace, James, JOSA 64: 1123
- Campbell, Charles E.**  
 Solar Heated Buildings: A Brief Survey, 4th Edition. By W. A. Shurcliff (B), AO 14: 791
- Campbell, D. E.** See Greenwood, J. R., JOSA 68: 547; Manes, Kenneth R., JOSA 68: 1646
- Campbell, D. K.** See Sweeney, Donald W., AO 15: 2959  
 $CO_2$  laser material processing using computer-generated phase reflection holographic scanners (A), JOSA 67: 1434  
 —; Sweeney, Donald W.: Materials processing with  $CO_2$  laser holographic scanner systems (TE), AO 17: 3727
- Campbell, E. M.** See Coleman, Lamar W., JOSA 68: 547; Hunt, J. T., JOSA 68: 542
- Campbell, Ellen D.** See Billmeyer, Fred W., Jr., AO 13: 1510, AO 14: 265
- Campbell, J. C.** See Bellavance, D. W., JOSA 66: 293; Blum, F. A., JOSA 66: 288; Lau, K. Y., AO 18: 3143  
 Coupling of fibers to Ti-diffused  $LiNbO_3$  waveguides by butt-jointing (E), AO 18: 2037  
 Tapered waveguides for guided wave optics (E), AO 18: 900
- Campbell, J. D.**  
 —; Yu, M. H.; Wittig, Curt: Mechanism of  $C_2$  formation via the IR photolysis of polyatomic molecules (A), JOSA 68: 639  
 —; Yu, M. H.; Wittig, Curt: Optical time-of-flight studies of multiple-photon dissociation processes (A), JOSA 68: 640
- Campbell, M. J.** See Stupin, D. M., JOSA 68: 1364
- Campbell, P. M.** See Johnson, R. R., JOSA 68: 544
- Campillo, A. J.** See Clark, J. H., JOSA 68: 1630
- ; Hyer, R. C.; Shapiro, S. L.: Broadly tunable picosecond infrared source (E), OL 4: 325  
 —; Geacintov, N. E.; Shapiro, S. L.; Swenberg, C. E.: Exciton dynamics in photosynthetic membranes (A), JOSA 68: 691  
 —; Hyer, R. C.; Shapiro, S. L.: Picosecond infrared-continuum generation by three-photon parametric amplification in  $LiNbO_3$  (ET), OL 4: 357  
 —; Shapiro, S. L.; Stoeckenius, W.; Lewis, Aaron; Stoeckenius, W.: Single pulse picosecond fluorescence studies in bacteriorhodopsin (A), JOSA 68: 692
- Campos, Jose.** See Fonseca, V., JOSA 69: 1618; Jimenez, E., JOSA 64: 1009; Martin, Piedad, JOSA 67: 1327
- Camus, P.** See Fred, Mark S., JOSA 65: 1188, JOSA 67: 7
- Candell, Lloyd M.**  
 —; Beckett, Paul J.: Trends in next generation thermal imaging using integrated focal planes (A), JOSA 66: 389
- Cann, M. W. P.** See Roney, P. L., AO 17: 2599  
 —; Evans, W. F. J.; Kohl, J. L.; Kurucz, R.; Parkinson, W. H.; Reeves, E. M.; Nicholls, Ralph W.: High resolution atmospheric transmission calculations down to 28.7 km in the 200–243-nm spectral range (TE), AO 18: 964  
 —; Nicholls, Ralph W.; Roney, P. L.; Findlay, F. D.; Buijs, H. J.: Special line profiles in the 4.3  $\mu m$  band of  $CO_2$  (A), JOSA 67: 1442
- Cannata, R. F.**  
 —; Brockman, W. H.; Read, A. A.: Convolution and correlation of real 1-D signals by frequency-plane filtering (TE) (L), AO 18: 3885
- Cannon, Mark W.** See Ginsburg, Arthur P., JOSA 69: 1452
- Cannon, T. M.** See Fenimore, E. E., AO 17: 337, AO 18: 945  
 —; Trussell, H. J.; Hunt, B. R.: Comparison of image restoration methods (ET), AO 17: 3384  
 —; Fenimore, E. E.: Tomographical imaging using uniformly redundant arrays (E), AO 18: 1052
- Cantor, Barry I.** See Teich, Malvin Carl, JOSA 68: 386  
 —; Teich, Malvin Carl: Dead-time-corrected photocounting distributions for laser radiation (T), JOSA 65: 786  
 —; Matin, Leonard; Teich, Malvin Carl: Photocounting distributions with variable dead time (T) (L), AO 14: 2819
- Cantor, Fredric.** See Schechter, Gail, JOSA 65: 1205
- Cantrell, Cyrus D.** See Bennett, Herbert S., JOSA 67: 254, AO 16: 2931; Colson, W. B., JOSA 68: 1620; McDowell, Robin S., OL 2: 97; VanLerberghe, A., JOSA 68: 624  
 —; Fox, Kenneth: Effects of molecular rotation and vibration-rotation interaction on collisionless multiple-photon excitation of  $SF_6$  (T), OL 2: 151  
 Introduction to Quantum Optics. By H. M. Nussenzweig (B), JOSA 66: 394  
 Pauli Lectures on Physics. Volume 1: Electrodynamics; Volume 3: Thermodynamics and the Kinetic Theory of Gases; Volume 4: Statistical Mechanics; Volume 5: Wave Mechanics; Volume 6: Selected Topics in Field Quantization. By Wolfgang Pauli (B), AO 17: 3512  
 —; Hopf, Frederic A.; Rhodes, George W.; Scully, Marlan O.: Spontaneous laser action in laser isotope separation (T) (L), AO 15: 1651  
 —; Fox, Kenneth: Theoretical problems in multiple-photon laser chemistry (A), JOSA 68: 693
- Cantu, A. M.**  
 —; Tondello, Giuseppe: Continuum source and a focusing technique for the 80–500- spectral range: improvements (E), AO 14: 996  
 —; Parkinson, W. H.; Tondello, Giuseppe; Tozzi, G. P.: Observations of Li I and Li II absorption spectra in the grazing incidence region (E), JOSA 67: 1030
- ; Jannitti, E.; Tondello, Giuseppe: Spectra of N VI, O VII, F VII, and F VIII in the grazing-incidence region (E), JOSA 64: 699
- Capelle, Gene A.**  
 —; Franks, Larry A.: Laboratory evaluation of two laser fluorosensor systems (E), AO 18: 3579
- Capik, R. J.**  
 —; Tien, P. K.: Use of curved-line gratings for diffraction of light in an optical waveguide (A), JOSA 67: 1392
- Caplan, James**  
 Temperature and pressure effects on pressure-scanned etalons and gratings (T), AO 14: 1585
- Capp, M. P.** See Nudelman, S., JOSA 66: 381
- Caputo, B.** See Leonard, D. A., AO 18: 1732
- Card, D. B.** See Fabian, W., JOSA 67: 1363
- Card, Howard C.** See Teich, Malvin Carl, OL 4: 146
- Cardamone, M. J.** See Eastman, D. P., JOSA 66: 1106  
 —; Eastman, D. P.: Depolarized light scattering from shear waves in aniline and quinoline (A), JOSA 69: 1458
- Carden, D.** See King-Smith, P. E., JOSA 66: 709, JOSA 68: 1146
- Carder, B. M.** See Gagnon, W. J., JOSA 68: 548; Summers, M. A., JOSA 68: 547
- Cardimona, David**  
 —; Stroud, Carlos R., Jr.: Double-resonance self-induced transparency (A), JOSA 69: 1476
- Cardinal, P.** See Measures, Raymond M., AO 18: 1824
- Cardon, Bartley L.**  
 —; Leavitt, J. A.: Beam-foil spectra of krypton (A), JOSA 66: 1067  
 —; Smith, Peter L.; Whaling, Ward: Oscillator strengths of neutral cobalt (Co I) (A), JOSA 68: 1447
- Cardona, M.** See Chandrasekhar, Meera, JOSA 68: 523
- Cardone, J. M.** See Foreman, J. W., Jr., AO 16: 806
- Carel, C.**  
 —; Hubert, L.; Gobert, G.; Tardif, P.; Chancel, L.: Neutron diffraction on a vertical axis goniometer; high temperature diffraction furnace for all atmospheres (E), AO 16: 1275
- Carillon, A.** See Jaegle, P., JOSA 68: 547
- Carlan, A.**  
 —; Desrousseaux, G.: Polarizability of the metallic grains of a two-dimensional film in interaction with the electric field on an electromagnetic wave (TE), JOSA 68: 1019
- Carleer, M.** See Gagne, Jean-Marie, AO 18: 1084, AO 18: 2107
- Carlen, C. M.** See Rapp, Charles F., JOSA 67: 1425
- Carleton, H. R.**  
 Electronic stabilization of scanning interferometers (TE), AO 15: 929
- Carleton, N. P.**  
 Housing, mount, and support structure of the multiple-mirror telescope (A), JOSA 66: 1092
- Carli, B.**  
 —; Natale, V.: Efficiency of spectrometers (T), AO 18: 3953  
 Reflectivity of metallic films in the infrared (T), JOSA 67: 908  
 —; Martin, D. H.; Puplett, E. F.; Harries, J. E.: Very-high-resolution far-infrared measurements of atmospheric emission from aircraft (E), JOSA 67: 917
- Carlin, D. B.**  
 —; Bennett, W. R., Jr.: Mode-locked, cavity-dumped laser design considerations (E) (L), AO 15: 2020
- Carlon, Hugh R.**  
 —; Milham, Merrill E.; Frickel, Robert H.: Aerosol droplet size and concentration from simple transmittance measurements (TE), AO 15: 2454  
 Christiansen effect in IR spectra of soil-derived atmospheric dusts (TE), AO 18: 3610  
 Infrared absorption coefficients (3–15  $\mu m$ ) for sulfur hexafluoride ( $SF_6$ ) and Freon ( $CCl_2F_2$ ) (E) (L), AO 18: 1474  
 —; Anderson, David H.; Milham, Merrill E.; Tarnove, Theodore L.; Frickel, Robert H.; Sindoni, O. I.: Infrared extinction spectra of some common liquid aerosols (ET), AO 16: 1598  
 Molecular interpretation of the IR water vapor continuum: comments (TE) (L), AO 17: 3193



- Phase transition changes in the molecular absorption coefficient of water in the infrared: evidence for clusters (TE) (L), AO 17: 3192
- Practical upper limits of the optical extinction coefficients of aerosols (TE), AO 18: 1372
- Carlone, Cosmo.** See Jandl, S., JOSA 67: 1411
- Carlotto, Mark.** See Psaltis, Demetri, OL 4: 348
- Carlsen, W. John**  
Holographic page synthesis for sequential input of data (E), AO 13: 896
- Carlson, Curtis R.**  
—; Cohen, Roger W.: Nonlinear spatial-frequency signal-detection model for the human visual system (A), JOSA 68: 1379  
—; Cohen, Roger W.: Power-spectral densities for pictorial scenes: edges and  $1/f^2$  spectra (A), JOSA 69: 1450
- Carlson, F. Paul.** See Deitz, Paul H., JOSA 64: 11; Francois, Robert E., Jr., AO 18: 2775; Mueller, M. R., AO 14: 2207, AO 15: 690; Richter, Andreas K., AO 13: 2924
- Coherent optical adaptive processor (A), JOSA 66: 1130
- Introduction to Diffraction, Information Processing, and Holography. By Francis T. S. Yu (B), JOSA 66: 395
- ; Bjorkstam, John L.; Auth, David C.: Photodichroics in integrated optics (A), JOSA 64: 1365
- Carlson, G. L.** See Fateley, William G., JOSA 64: 1363
- Carlson, L. R.**  
—; Johnson, S. A.; May, C. A.; Solarz, R. W.; Paisner, Jeffrey A.; Worden, Earl F.: Radiative lifetimes, absorption cross sections, and the observation of new high-lying odd levels of  $^{238}\text{U}$  using multistep laser photoionization (E), JOSA 66: 846
- Carlson, N. W.**  
—; Kowalski, F. V.; Teets, R. E.; Schawlow, Arthur L.: Identification of excited state in  $\text{Na}_2$  by two-step polarization labeling (A), JOSA 68: 1412
- Carlson, R. L.** See Montgomery, M. D., JOSA 68: 543
- Carlson, T. N.** See Prospero, J. M., JOSA 67: 256
- Carman, R.**  
Plans for picosecond interferometry of plasmas (A), JOSA 68: 547
- Carmichael, H. J.**  
—; Drummond, P. D.; Hassan, S. S.; Walls, D. F.: Optical bistability in cooperative atomic systems (A), JOSA 68: 1636
- Carnahan, Sam.** See Goodell, John B., JOSA 67: 1436
- Carnall, W. T.** See Caird, John A., JOSA 68: 549
- Carnevale, Mario.** See Bertolotti, Mario, AO 13: 1582, AO 17: 285
- Carney, James A.** See Coblitz, David B., AO 13: 1994
- Carniglia, Charles K.** See Apfel, Joseph H., JOSA 69: 1438; Callary, P. R., JOSA 65: 1208, JOSA 66: 775; Cybulski, R. F., Jr., JOSA 67: 1620; McGuirk, Michael, JOSA 65: 1168, JOSA 66: 1136, JOSA 67: 1439, JOSA 68: 1405, JOSA 67: 103; Rhodes, D. J., JOSA 67: 679
- Correction to the theory of the Goos-Haenchen shift by Lotsch (T) (L), JOSA 66: 1425
- ; Apfel, Joseph H.: Design of slightly absorbing multilayer reflectors for maximum reflectance (A), JOSA 69: 1438
- ; Cybulski, R. F., Jr.: Enhanced internal reflection from a region with exponentially decreasing gain (A), JOSA 66: 1116
- ; Brownstein, K. R.: Focal shift and ray model for total internal reflection (T) (L), JOSA 67: 121
- ; Allen, T. H.; Lowdermilk, W. H.: Laser damage versus absorbance of high reflectors at  $1.06\ \mu\text{m}$  (A), JOSA 69: 1446
- ; Johnston, D. A.: Measurement of the Goos-Haenchen shift at grazing incidence (A), JOSA 65: 1168
- Optics. By W. T. Welford (B), JOSA 68: 425
- ; Brownstein, K. R.: Reflection from a new class of inhomogeneous media (A), JOSA 67: 1429
- Scattering theory of multilayer optical coatings (A), JOSA 68: 1418
- Unified approach to the Goos-Haenchen shift (A), JOSA 66: 1135
- Carnstam, B.** See Gedeon, A., JOSA 66: 289
- Caroff, L. J.** See Augason, G. C., AO 14: 2146
- Carollo, Jerome T.**  
—; Chambers, Walter S.: ZAPS—a new point-of-interest projection system (A), JOSA 67: 1374
- Carome, E. F.** See Bucaro, J. A., AO 16: 1761, AO 17: 330
- Carozza, James**  
—; Anderson, Richard: Radiative lifetime of the  $A^2\Sigma$  state of  $\text{CH}^+$  (E) (L), JOSA 67: 118
- Carpenter, Clinton Ray**  
—; Andrews, C. L.: Measurement of surface-current densities (E), JOSA 65: 246
- Carpenter, David J.**  
—; Pask, Colin: Coherence properties in the image of a partially coherent object (T) (L), JOSA 67: 115
- Carpenter, James P.** See Benjamin, Robert F., AO 17: 3809; Ehler, A. W., JOSA 68: 547
- Carquille, Bernard.** See Aebischer, Nicole, AO 17: 3698
- Carriari, A. H.** See Wiggins, T. A., AO 17: 526, AO 17: 3706, AO 18: 1921
- Carroll, D. E.** See Pinnick, R. G., AO 15: 384
- Carroll, J. J.**  
—; Melmed, Allan J.: Optical constants of (1120) ruthenium in the visible region (E) (L), JOSA 66: 1050  
—; Melmed, Allan J.: Optical constants of titanium (E) (L), JOSA 64: 514
- Carroll, J. M.** See Collins, C. B., JOSA 68: 716
- Carroll, P. K.**  
—; Kennedy, E. T.; O'Sullivan, G.: New continua for absorption spectroscopy from 40 to 2000 Å (E), OL 2: 72
- Carruthers, George R.**  
Mesh-based semitransparent photocathodes (E), AO 14: 1667
- Carruthers, J. R.**  
—; Kaminow, Ivan P.; Stulz, L. W.: Diffusion kinetics and optical waveguiding properties of outdiffused layers in lithium niobate and lithium tantalate (TE), AO 13: 2333
- Carswell, A. I.** See Houston, J. D., AO 17: 614; McNeil, W. R., AO 14: 2158; Pal, S. R., JOSA 67: 1369, AO 15: 1990, AO 17: 2257, AO 17: 2321; Ryan, J. S., JOSA 67: 1369, JOSA 68: 900, JOSA 69: 60
- Atmospheric aerosols: their optical properties and effects, OSA Topical meeting, Williamsburg, 13-15 Dec 1976 (M), AO 16: 785
- ; Ryan, J. S.; Pal, S. R.: Light scattering in water droplet fogs (A), JOSA 67: 259
- Carter, A. C.** See Skolnick, M. S., JOSA 67: 947
- Carter, Ellen C.**  
Mechanisms of Colour Vision, Selected Papers of W. S. Stiles. By W. S. Stiles (B), AO 17: 3511
- Carter, Gary M.** See Marcus, S., AO 18: 2824
- Efficient frequency shifting of infrared lasers (A), JOSA 68: 635
- Carter, William H.** See Ho, Pin-Chin, AO 15: 313; Wolf, Emil, JOSA 64: 1398, JOSA 66: 1075, JOSA 68: 953
- Band-limited angular-spectrum approximation to a spherical scalar wave field (T), JOSA 65: 1054
- ; Wolf, Emil: Coherence and radiometry with quasihomogeneous planar sources (T), JOSA 67: 785
- ; Wolf, Emil: Coherence functions of fields generated by correlated charge-current distributions (A), JOSA 65: 1198
- ; Wolf, Emil: Coherence properties of Lambertian and non-Lambertian sources (T), JOSA 65: 1067
- ; Bertolotti, Mario: Far-field coherence and radiant intensity of light scattered from liquid crystals (T), JOSA 68: 329
- ; Wolf, Emil: How incoherent are Lambertian sources? (A), JOSA 64: 545
- Measurement of second-order coherence in a light beam using a microscope and a grating (E), AO 16: 558
- ; Wolf, Emil: Radiation from fluctuating three-dimensional scalar sources (A), JOSA 69: 1413
- ; Ho, Pin-Chin: Reconstruction of inhomogeneous scattering objects from holograms (E), AO 13: 162
- Stable and unstable cylindrical-laser-resonator theory in an angular spectrum representation (T), JOSA 64: 1100
- Cartledge, John C.**  
Excitation of a doubly clad optical fiber by misaligned Gaussian beams (T), AO 17: 2086
- Fiber Optics in Communications Systems. By Glenn A. Eliot and Herbert A. Eliot (B), AO 18: 147
- Impulse response of a step index optical fiber excited by a Lambertian source (T), AO 16: 1311
- Impulse response of a step index optical fiber excited by a Lambertian source: addendum (T) (L), AO 16: 3082
- Cartwright, David C.** See Hall, Richard T., JOSA 64: 528
- Caruso, Anthony J.**  
Mass absorption coefficients for polypropylene and Polyene C between 8.34 Å and 452 Å (E) (L), AO 13: 1744
- Carver, J. H.**  
—; Haddad, G. N.; Hobbs, T. I.; Lewis, B. R.; McCoy, D. G.: Vacuum ultraviolet 6-m monochromator (E), AO 17: 420
- Cary, Philip G.** See Query, Marvin R., AO 17: 3587
- Casasayas, Francisco.** See Casasent, David, AO 14: 1364
- Casasent, David.** See Furman, Alan, AO 18: 660; Luu, Thanh K., AO 18: 791; Psaltis, Demetri, OL 4: 348, AO 16: 2288, AO 17: 1136, AO 18: 163, AO 18: 1869, AO 18: 3203
- ; Caimi, Frank: Adaptive photodichroic matched spatial filter (ET) (L), AO 15: 2631
- ; Furman, Alan: Determining optimal matched filter parameters (E) (L), AO 15: 1690
- ; Keicher, William: Dielectric and optical properties of electron-beam-addressed  $\text{KD}_2\text{PO}_4$  (E), JOSA 64: 1575
- ; Psaltis, Demetri: Doppler signal processing: a new technique (ET) (L), AO 15: 2015
- ; Furman, Alan: Equalizing and coherence measure correlators (ET), AO 17: 3418
- ; Furman, Alan: Filter plane resolution requirements for coherent optical correlators (T) (L), AO 16: 285
- ; Klimas, Edward: Multichannel optical correlator for radar signal processing (TE), AO 17: 2058
- ; Psaltis, Demetri: Multiple-invariant space-variant optical processors (TE), AO 17: 655
- Noncoherent Optical Processing. By G. L. Rogers (B), AO 17: 2472
- ; Herold, R. L.: Novel hybrid optical correlator (errata), AO 14: 1259
- ; Herold, R. L.: Novel hybrid optical correlator: theory and optical simulation (TE), AO 14: 369
- Optical computing conference, international, Zurich, 9-11 Apr 1974 (M), AO 13: 2450
- ; Vijaya Kumar, B. V. K.: Optical image plane correlator for ambiguity surface computation (TE), AO 18: 1673
- ; Furman, Alan: Optical pattern recognition on nonvertical imagery (TE), AO 16: 1955
- ; Casasayas, Francisco: Optical processing of pulsed Doppler and FM stepped radar signals (ET), AO 14: 1364
- ; Furman, Alan: Optimization of parameters in matched spatial filter synthesis (ET), AO 16: 1662
- Performance evaluation of spatial light modulators (TE), AO 18: 2445
- ; Luu, Thanh K.: Performance measurement techniques for simple Fourier transform lenses (ET), AO 17: 2973
- ; Luu, Thanh K.: Phase error model for simple Fourier transform lenses (ET), AO 17: 1701
- ; Caimi, Frank: Photodichroic recording and storage material (ET), AO 15: 815
- ; Luu, Thanh K.: Photo-DKDP light valve in optical data processing (E), AO 18: 3307
- ; Kraus, Mark: Polar camera for space-variant pattern recognition (ET), AO 17: 1559
- ; Psaltis, Demetri: Position, rotation, and scale invariant optical correlation (ET), AO 15: 1795
- ; Furman, Alan: Sources of correlation degradation (ET), AO 16: 1652
- ; Psaltis, Demetri: Space-bandwidth product and accuracy of the optical Mellin transform (T) (L), AO 16: 1472
- ; Herold, R. L.: Television based Fourier holographic system (ET), AO 13: 2268
- ; Psaltis, Demetri: Waveform considerations in space-variant optical processors (ET), OL 4: 18
- Case, Steven K.** See Alferness, Rod C., JOSA 65: 730, JOSA 66: 79; Almeida, Silverio P., AO 18: 4025; Bartelt, H. O., JOSA 69: 1402; Chang, Byung Jin, AO 15: 1800; Fournier, J. M., JOSA 67: 1382; Leith, Emmett N., JOSA 64: 558
- Coupled-wave theory for multiply exposed thick holographic gratings (TE), JOSA 65: 724



- Fourier processing in the object plane (ET),  
OL 4: 286
- Hologram formation and harmonic generation  
in dichromated-gelatin films (A), JOSA 65:  
1220
- ; Gerbig, V.: Laser beam scanners constructed  
from volume holograms (A), JOSA 69: 1481
- ; Russell, Robert A.: Modular optics mode  
converter (E) (L), AO 15: 2307
- Pattern recognition with  
wavelength-multiplexed filters (ET), AO 18:  
1890
- ; Almeida, Silverio P.; Dallas, W. J.; Fournier,  
J. M.: Real-time recognition of  
three-dimensional microscopic objects (A),  
JOSA 67: 1382
- ; Dallas, W. J.: Volume holograms constructed  
from computer-generated masks (ET), AO  
17: 2537
- Case, W. E. See Chivian, Jay S., JOSA 69: 1622
- Casella, A. J.
- ; Strother, G. K.; Connolly, J. W.: Simplified  
recording microspectrophotometer (E), AO  
14: 771
- Casella, R. C.  
Slatyer, John C., Solid-State and Molecular  
Theory: A Scientific Biography (B), AO 14:  
2800
- Casey, H. C., Jr. See Cho, A. Y., JOSA 66: 290;  
Somekh, S., AO 15: 1905, AO 16: 126
- ; Cho, A. Y.; Ilegems, M.: Application and  
properties of molecular-beam epitaxial  
layers for optoelectronic devices (A), JOSA  
66: 290
- Casey, K. F. See Yeh, Cavour, JOSA 68: 1079
- Casey, W. L. See Jackson, John E., JOSA 69:  
1405
- Cash, Webster. See Malina, Roger F., AO 17:  
1109
- Cashdollar, Kenneth L.
- ; Lee, Calvin K.; Singer, Joseph M.:  
Three-wavelength light transmission  
technique to measure smoke particle size  
and concentration (ET), AO 18: 1763
- Three-wavelength pyrometer for measuring  
flame temperatures (E), AO 18: 2595
- Cason, Charles
- ; Jones, R. W.; Perkins, J. F.: Unstable optical  
resonators with tilted spherical mirrors  
(TE), OL 2: 145
- Casperson, D. E. See Montgomery, M. D.,  
JOSA 68: 543
- Casperson, Lee W. See Cheng, Ken T.-K., AO  
18: 2130; Colak, S., AO 18: 294; Munch, J.,  
AO 18: 869; Yeh, Cavour, JOSA 68: 989
- ; Shekhani, Mohammad Shabbir: Air  
breakdown in a radial-mode focusing  
element (TE), AO 13: 104
- Beam modes in complex lenslike media and  
resonators (T), JOSA 66: 1373
- Electromagnetic modes of an inhomogeneous  
sphere (T), JOSA 65: 399
- ; Lunnam, Susan D.: Gaussian modes in high  
loss laser resonators (T), AO 14: 1193
- ; Stafsudd, Oscar M.; Wilkerson, John L.:  
Interferometric deflection of laser beams  
(A), JOSA 65: 1166
- Light extinction in polydisperse particulate  
systems, AO 16: 3183
- ; Shekhani, Mohammad Shabbir: Mode  
properties of annular gain lasers (TE), AO  
14: 2653
- ; Shekhani, Mohammad Shabbir: Mode  
properties of annular gain lasers (errata),  
AO 15: 16
- Output properties of short-pulse gain-switched  
lasers, AO 14: 299
- ; Yeung, Wing F.; Yeh, Cavour: Particle  
diagnosis by focused light beams (A), JOSA  
66: 1135
- ; Yeh, Cavour: Rayleigh-Debye scattering with  
focused laser beams (T), AO 17: 1637
- ; Yeh, Cavour; Yeung, Wing F.: Single particle  
scattering with focused laser beams (TE),  
AO 16: 1104
- ; Reyzer, Kendall C.: Stability characteristics  
of self-pulsing lasers (A), JOSA 69: 1430
- Casseday, M. W. See Berg, N. J., AO 18: 2767
- Casset, Jacqueline
- Optical constants of absorbing materials by  
transmission interferometry on  
medium-thickness films (TE), JOSA 69: 725
- Cassidy, J. C. See Hauelsen, Donald C., JOSA  
68: 103
- Castelijns, J. H. P.
- Azimuthal alignment in ellipsometry (E) (L),  
AO 14: 806
- Casters, J. P. See Hepner, G., AO 14: 1479, AO  
15: 1683
- ; Hepner, G.: Isolator in integrated optics  
using Faraday and Cotton-Mouton effects  
(ET) (L), AO 16: 2031
- Castleberry, Donald E.
- ; Linz, Arthur: Measurement of the refractive  
indices of  $\text{LiYF}_4$  (E) (L), AO 14: 2056
- Castleman, A. W.
- Aerosols in the atmosphere: their origin and  
role in heterogeneous processes (A), JOSA  
67: 257
- Castner, T. G.
- Symmetry and Strain-Induced Effects in  
Semi-conductors. By G. L. Bir and G. E.  
Pikus (B), JOSA 66: 186
- Catalano, E.
- ; Barletta, R. E.; Pearson, R. K.:  
Infrared-single-photon absorption reaction  
chemistry in the solid state:  $\text{SiH}_4\text{-UF}_6$  (A),  
JOSA 68: 1643
- Catalano, I. M.
- ; Cingolani, A.; Ferrara, M.; Lugara, M.;  
Minafra, A.: Nonlinear interaction between  
excitons and coherent light (A), JOSA 68:  
681
- Cathey, J. L. See Thompson, J. E., JOSA 68:  
1396
- Cathey, W. Thomas
- Analysis of shift-invariant recording (A),  
JOSA 69: 1451
- Angular spectrum and coherent imaging (TE),  
JOSA 64: 1503
- Coherent Optical Engineering, A Selection of  
Lectures given at the International School  
of Quantum Electronics, Versilia, Tuscan,  
Italy, 1-15 September, 1976. Edited by F. T.  
Arecchi and V. Degiorgio (B), JOSA 68:  
1459
- Effect of reference and illuminating sources  
size in holography (T), JOSA 69: 273
- ; Smith, Burton J.: High concurrency data bus  
using arrays of optical emitters and  
detectors (TE), AO 18: 1687
- Image resolution in quasi-Fourier-transform  
holograms (A), JOSA 65: 1223
- Optical Data Processing. Edited by D.  
Casasent (B), JOSA 69: 206
- Resolution of a quasi-Fourier-transform  
hologram (A), JOSA 68: 1444
- Transfer relation between object  
transmittance and image irradiance (A),  
JOSA 64: 1398
- Cathro, K. See Window, B., AO 17: 2637
- Cattlett, Duane S. See Mayer, A., JOSA 68: 550;  
McCreary, W. J., JOSA 68: 550; Simonsic,  
Gary A., JOSA 68: 544; Springer, Robert W.,  
JOSA 68: 550
- Caton, William M. See Taylor, Henry F., JOSA  
66: 291
- Propagation constants in diffused planar  
optical waveguides (T) (L), AO 13: 2755
- Cattolica, Robert. See Robben, Frank, JOSA  
66: 1063
- Caudell, T. P. See Figoski, J. W., JOSA 66:  
1089; Hill, H. A., AO 16: 195; Smolka, F. M.,  
AO 17: 3284
- ; Smolka, F. M.; Eisenstein, D. R.; Eisenstein,  
B. L.: Silicone rubber applied within the  
eye: a preliminary study (TE), AO 18: 1305
- Caudill, Louis O. See Bufton, Jack L., JOSA 69:  
1399, JOSA 69: 1180, JOSA 69: 1198
- Caudle, George F. See Lim, T. K., JOSA 65:  
1207
- ; Izatt, Jerald R.: Infrared saturable  
absorption in selected aromatic halogenated  
hydrocarbons (A), JOSA 67: 1440
- ; Bean, Brent L.; Izatt, Jerald R.: Q-switching  
and mode locking of the  $\text{CO}_2$  laser with  
benzene vapor (A), JOSA 64: 553
- ; Lim, T. K.; Izatt, Jerald R.: Saturation of the  
P-28 transition in  $\text{SF}_6$  (A), JOSA 65: 1207
- Caulfield, Henry John. See Hirschfeld, Tomas,  
JOSA 68: 28
- Coded aperture imaging (L), AO 13: 5
- ; Hirschfeld, Tomas: Electro-Optics/Laser  
International '76 UK, Conference  
Proceedings. Edited by H. G. Jerrard (B),  
JOSA 67: 1130
- Holography in Medicine: Applications in the  
Biomedical Sciences. Edited by Pal Greguss  
(B), JOSA 67: 261
- Industrial Applications of Lasers. By John F.  
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Engineering and Electronics Series, Volume  
3. By Yi-tzuu Chien (B), JOSA 68: 1152
- Laser 75 Opto-Electronics. Edited by W.  
Waidelich (B), JOSA 67: 849
- Laser 77, Opto-Electronics. Edited by W.  
Waidelich (B), JOSA 68: 873
- ; Hirschfeld, Tomas; Weinberg, J. Morris:  
Laser range profile extraction to  
submillimeter absolute accuracies (A), JOSA  
66: 1123
- Lasers and Their Applications. Edited by  
Alberto Sona (B), JOSA 68: 551
- Noncoherent Optical Processing. By G. L.  
Rogers (B), JOSA 68: 1154
- ; Hirschfeld, Tomas: Optical communication  
at the source bandwidth limit (TE), AO 16:  
1184
- Optical smoothing filters (TE) (L), AO 13: 996
- ; Hirschfeld, Tomas: Propagation of ultrashort  
pulses through lenses (T), AO 16: 1181
- ; Somerstein, Stephen: Three-dimensional  
imager (E), AO 16: 774
- ; Hirschfeld, T.; Williams, A. D.: White-light  
interferometry and phase-locked pulse  
analysis (T), OL 1: 56
- Cavonius, C. R. See Estevez, O., JOSA 66: 1436;  
Hilz, R. L., JOSA 64: 763
- ; Estevez, O.: Sensitivity of human color  
mechanisms to gratings and flicker (E) (L),  
JOSA 65: 966
- Ceccon, C. R. See Shannon, Robert R., JOSA  
68: 539
- Cederquist, Jack. See Leger, James R., JOSA  
68: 1414
- ; Lee, Sing H.: Optical feedback applied to  
partial differential equation solutions (A),  
JOSA 69: 1459
- Real-time optical signal processors employing  
optical feedback amplitude and phase  
control: comment (TE) (L), AO 16: 26
- Ceglio, N. M. See Coleman, Lamar W., JOSA  
68: 547
- Microscopy of laser fusion plasmas using  
Fresnel zone structures. I. Fresnel zone  
plate coded imaging. II. Efficient x-ray  
lensing elements (A), JOSA 68: 547
- Cehelnik, Edwin D. See Mielenz, Klaus D., AO  
14: 1940
- Organic Molecular Photophysics, Volume 2.  
Edited by J. B. Birks (B), AO 15: 610
- ; Mielenz, Klaus D.: Quantum counter  
photodetectors: a new design (E), AO 15:  
2200
- Celaya, L. See Celaya, M., JOSA 69: 1416
- ; Mallick, S.: Film-grain noise in holography  
(T), JOSA 69: 278
- ; Mallick, S.: Incoherent processor for  
restoring images degraded by a linear smear  
(ET), AO 17: 2191
- Celaya, M.
- ; Tentori, D.; Celaya, L.: Fringe contrast  
dependence on the imaging system aperture  
stop in hologram interferometry (A), JOSA  
69: 1416
- ; Tentori, D.: Fringe visibility in two hologram  
interferometry (A), JOSA 68: 1440
- Celler, G. K.
- Laser annealing of semiconductors (A), JOSA  
69: 1461
- Celto, J. E. See Schimitschek, E. J., JOSA 68:  
653, OL 2: 64
- Ceppatelli, Guido. See Barletti, Raffaele, AO  
16: 2419, JOSA 66: 1380; Vernin, J., AO 18:  
243
- Ceren, E. See Lubezky, I., AO 17: 2648
- Cerez, Pierre
- ; Bennett, Seton J.: Helium-neon laser  
stabilized by saturated absorption in iodine  
at 612 nm (E), AO 18: 1079
- Certain, J. See Veron, D., JOSA 67: 964
- Cervenka, Peter O.
- Brillouin remote sensing (A), JOSA 67: 1410
- Cescato, Lucila
- ; Frejlich, Jaime: Roughness evaluation for  
thin films (E) (L), AO 18: 1486
- Cha, S.
- ; Vest, C. M.: Interferometry and  
reconstruction of strongly refracting objects  
(A), JOSA 69: 1474
- ; Vest, C. M.: Interferometry and  
reconstruction of strongly refracting  
asymmetric-refractive-index fields (T), OL  
4: 311
- Chabay, Ilan. See Bright, David S., JOSA 67:  
258; Schaefer, John C., OL 4: 227
- ; Holzwarth, G.: Infrared circular dichroism  
and linear dichroism spectrophotometer (E),  
AO 14: 454
- Photon Correlation Spectroscopy and  
Velocimetry. Edited by H. Z. Cummins and  
E. R. Pike (B), AO 17: 1156
- Quantum Electronics, a Treatise; Volume 1,  
Pts. A & B: Nonlinear Optics. Edited by  
Herbert Rabin and C. L. Tang (B), AO 16: 6



- Chabot, A. A.** See Jelalian, A. V., JOSA 64: 539
- Chackerman, C., Jr.**
- Giver, L. P.: Measurement of weak IR absorption with a tunable laser: the hydrogen  $S_2(1)$  line strength (E), AO 14: 1993
- Chadwick, D.**
- Plessner, K. W.; Taylor, J. E.: Production experience with PSP optical fiber cable for the Martlesham/Ipswich link (A), JOSA 67: 709
- Chaffee, F. H.** See Mende, S. B., AO 16: 2698
- Chahine, Moustafa T.** See Aumann, H. H., AO 15: 2091; Kaplan, Lewis D., AO 16: 322; Menzies, Robert T., AO 13: 2840
- Chai, A. T.**
- Green, Alex E. S.: Ratio measurement of diffuse to direct solar irradiances in the middle ultraviolet (E), AO 15: 1182
- Chaikovskii, A. P.** See Ivanov, A. P., OL 1: 226
- Chaimson, R. K.** See Hunter, W. R., AO 13: 2913
- Chalasinska-Macukow, K.**
- Szoplik, T.: Reconstruction of a Fraunhofer hologram recorded near the focal plane of a transforming lens (T), AO 18: 1436
  - Szoplik, T.: Simple holographic permanent memory system (T), AO 17: 3722
- Chalot, S.** See Mouchart, Jacques, AO 18: 1226
- Chambaret, J. P.** See Andre, Y. V., AO 18: 2607
- Chamberlain, John.** See Harries, J. E., AO 15: 2667
- Chamberlain, Joseph W.** See Howard, John N., AO 14: 2827
- Chamberlain, O.** See Rosen, H., AO 14: 2703
- Chambers, Richard W.** See Klem, Bernard F., JOSA 65: 1174
- Chambers, Walter S.** See Carollo, Jerome T., JOSA 67: 1374
- Chamorovski, Yu. K.** See Grigoryants, V. V., JOSA 67: 709
- Champagne, F. H.** See Friehe, Carl A., JOSA 65: 1502
- Champness, C. H.** See Ades, Selim, JOSA 65: 217
- Chan, C. H.**
- Mode discrimination with rimmed optical resonator (TE), AO 14: 2418
- Chan, Gilbert.** See Tyler, Glenn A., JOSA 69: 1458
- Chan, J. H. C.** See Ballik, E. A., AO 16: 674
- Ballik, E. A.: Application of Fourier images to the measurement of particle velocities (E) (L), AO 13: 234
  - Ballik, E. A.: Signal-to-noise ratio in optical velocimeters: effect of particle number density (ET), AO 14: 1839
- Chan, Joseph L.-H.** See Liu, Hua-Kuang, AO 15: 2394; Macovski, Albert, AO 13: 2202
- Chan, P. W.** See Ho, C. W., AO 17: 631; She, C. Y., AO 14: 1767
- Chan, W. H.** See Nordstrom, R. J., AO 16: 1477
- Chan, William S.**
- Khan, Shafiq U.: *In situ* laser reflectance measurement of diffuse surfaces (E), AO 17: 2335
- Chance, J. E.**
- LeMaster, E. W.: Plant canopy light absorption model with application to wheat (TE), AO 17: 2629
  - LeMaster, E. W.: Suits reflectance models for wheat and cotton: theoretical and experimental tests (TE), AO 16: 407
- Chancel, L.** See Carrel, C., AO 16: 1275
- Chander, Mahesh**
- Bindal, M. M.; Kulshreshtha, A.; Agarwala, B. K.: Photokeratography using moire techniques (L), AO 15: 2964
- Chandos, Raymond J.**
- Chandos, Robert E.: Radiometric properties of isothermal, diffuse wall cavity sources (T), AO 13: 2142
- Chandos, Robert E.** See Chandos, Raymond J., AO 13: 2142
- Chandra, Ram**
- Thyagarajan, K.; Ghatak, A. K.: Mode excitation by tilted and offset Gaussian beams in W-type fibers (T), AO 17: 2842
- Chandra, S.** See Compagn, A., OL 4: 170
- Wiener-Avnear, Eliezer; Compagn, A.: First- and second-order coherent Raman scattering with three laser frequencies (A), JOSA 68: 633
- Chandrasekhar, Meera**
- Grimsditch, M. H.; Cardona, M.: New method to measure stress-induced birefringence in an opaque material: stress-induced Raman scattering (E), JOSA 68: 523
- Chandross, E. A.** See Bowden, Murrae J., AO 13: 112; Tomlinson, W. J., JOSA 65: 1220, AO 15: 534
- Tomlinson, W. J.; Aumiller, G. D.: Latent-imaging photopolymer systems (A), JOSA 66: 1083
  - Tomlinson, W. J.; Aumiller, G. D.: Latent-imaging photopolymer systems (E), AO 17: 566
- Chaney, L. W.**
- Rickel, D. G.; Russwurm, G. M.; McClenny, W. A.: Long-path laser monitor of carbon monoxide: system improvements (E), AO 18: 3004
- Chang, Byung Jin.** See Chang, J. S., JOSA 68: 1377; Colburn, W. S., JOSA 67: 1383; Leith, Emmett N., JOSA 64: 558; Zak, B. D., AO 14: 1217
- Leonard, Carl D.: Dichromated gelatin for the fabrication of holographic optical elements (E), AO 18: 2407
  - Colburn, W. S.: Dichromated gelatin holographic combiners for head-up displays (A), JOSA 67: 1373
  - Doubly modulated on-axis thick-hologram optical elements (A), JOSA 67: 1435
  - Leonard, Carl D.: Exposure characteristics of dichromated-gelatin holograms (A), JOSA 66: 1063
  - Formation of dichromated gelatin holograms (A), JOSA 69: 1416
  - Holography with an achromatic, grating-based interferometer: experimental results (A), JOSA 64: 552
  - Leith, Emmett N.; Chang, J. S.: Imaging through scattering media with an achromatic interferometer (TE), OL 4: 118
  - Case, Steven K.: Nonlinear holographic waveguide coupler (E), AO 15: 1800
  - Alferness, Rod C.; Leith, Emmett N.: Space-invariant achromatic grating interferometers: theory (TE), AO 14: 1592
  - Leith, Emmett N.: Space-invariant multiple-grating interferometers in holography (T), JOSA 69: 689
- Chang, C. T.**
- Bjorkstam, John L.: Amplitude hologram efficiencies with arbitrary modulation depth, based upon a realistic photographic film model (T), JOSA 67: 1160
  - Bjorkstam, John L.: Effect of nonuniform irradiance, and irradiance fluctuations, upon the response of photographic film (ET), JOSA 65: 1495
  - Bjorkstam, John L.: Effect of the threshold detection property of photographic films on hologram linearity and efficiency (T), JOSA 66: 558
  - Minimum dispersion in a single-mode step-index optical fiber (T), AO 18: 2516
  - Auth, David C.: Radiation characteristics of a tapered cylindrical optical fiber (ET), JOSA 68: 1191
- Chang, C. Y.** See Su, Y. K., AO 18: 3510
- Chang, E. L.** See Bruckner, Adam P., AO 18: 1876
- Chang, Horng.** See Wang, Ta-Keng, AO 13: 1379
- Chang, I. C.** See Hecht, David L., JOSA 65: 1172
- Noncollinear acousto-optic filter (A), JOSA 64: 1392
  - Katzka, P.: Tunable acousto-optical filters with apodized acoustical excitation (A), JOSA 68: 1449
- Chang, J. S.** See Chang, Byung Jin, OL 4: 118
- Chang, Byung Jin; Leith, Emmett N.: Imaging through scattering media with an achromatic interferometer (A), JOSA 68: 1377
- Chang, James.** See Farnsworth, Archie V., Jr., JOSA 68: 549; Leeper, Ramon J., JOSA 68: 547
- Kuswa, G. W.; Mendel, Clifford W., Jr.: High-resolution time-resolvable flash x-radiography system (A), JOSA 68: 547
- Chang, James S. C.** See Sentell, Ronald J., JOSA 67: 256
- Chang, Jih Jie.** See Tyler, Christopher William, JOSA 66: 174
- Chang, M. S.** See Hou, T. W., AO 18: 1753
- Bragg electrostriction in optical waveguides (T), AO 16: 1960
  - Chang, William S. C.; Sopori, B. L.; Vann, H. R.; Muller, M. W.; Craford, M. G.; Finn, D.; Groves, W. O.; Herzog, A. H.: GaAs optical waveguide structures at 10.6- $\mu$ m wavelength (E), AO 14: 1572
- Tolerance to the phase-matching condition for the integrated acoustooptic filter (T), AO 13: 1867
- Chang, Ming-Wen**
- Wei, Hang-Dong: Measurement of the rotation and translation of diffusely reflecting objects by tuning the direction of reconstruction beam in holographic interferometry (A), JOSA 69: 1456
  - Bickel, William S.: Spectral-line profiles and wavelength measurements using the beam-foil light source (TE), JOSA 65: 1376
  - Bickel, William S.: Spectral-line profiles and wavelength measurements using the beam-foil light source (errata), JOSA 66: 511
  - Chang, R. K. See Benner, R. E., JOSA 68: 1453; Kultsar, E., AO 15: 862; Lee, El-Hang, AO 17: 1980, AO 18: 862
  - Lee, El-Hang; Benner, R. E.: Angular distribution of fluorescence from small particles with plane and evanescent wave excitations (A), JOSA 68: 1452
- Chang, Richard K.** See Murphy, Daniel V., OL 4: 167; Owen, James F., JOSA 69: 1463
- Chang, Rong-Seng.** See Stavroudis, Orestes N., JOSA 68: 739
- Chang, T. Y.** See Kang, M. H., JOSA 68: 706
- Damen, T. C.; McGee, J. D.; Nguyen, Van Tran; Bridges, Thomas J.: Dynamic Stark tuned far-infrared lasers in Rb (A), JOSA 68: 669
  - Lin, Chinlon: Effects of buffer gases on an optically pumped  $\text{CH}_3\text{F}$  FIR laser (ET), JOSA 66: 362
  - Optically pumped submillimeter-wave sources (A), JOSA 64: 532
- Chang, William S. C.** See Becker, Richard A., JOSA 68: 1360, AO 16: 1810, AO 17: 1069, AO 18: 3296; Chang, M. S., AO 14: 1572; Cox, Hollace L., Jr., JOSA 68: 1383; Loh, K. W., JOSA 66: 290, AO 15: 156; Sopori, B. L., JOSA 66: 291, AO 15: 789; Sun, M. J., AO 16: 2986, AO 17: 1568, AO 17: 3533
- Chang, Y. S.**
- Shaw, John H.; Uselman, W. M.; Calvert, J. G.: Nonlinear least-squares analysis of spectral data (A), JOSA 67: 1441
  - Uselman, W. M.; Calvert, J. G.; Shaw, John H.: Use of the AFCRL line parameters compilation to test the performance of an infrared spectrometer system (E), AO 16: 2116
- Channin, D. J.** See Bartolini, R. A., AO 15: 2628; Weakliem, H. A., AO 14: 560
- Introduction to Electro-optic Devices. By Ivan P. Kaminow (B), AO 14: A45
- Optical waveguide techniques for thin-film measurements (A), JOSA 66: 165
- Hammer, J. M.; Duffy, Michael T.: Scattering in ZnO-sapphire optical waveguides (TE), AO 14: 923
- Society for Information Display, international symposium, Beverly Hills, 4-6 May 1976 (M), AO 15: 2290
- Chao, C. M.** See Skiftstad, J. G., AO 14: 1713
- Davidson, F.: Optical communication with laser-intensity subcarrier frequency modulation (A), JOSA 64: 1402
- Chao, S. L.** See Forsyth, James M., JOSA 64: 561
- Forsyth, James M.: Properties of high-order transverse modes in astigmatic laser cavities (TE), JOSA 65: 867
  - Saturation and geometrical effects on mode intensity distribution for a large-Fresnel-number stable resonator (A), JOSA 66: 1132
  - Citron, M. L.; Winter, D. C.: Unstable toroidal resonators (A), JOSA 69: 1430
- Chao, T. H.** See Dymek, M. S., JOSA 69: 1417; Yu, Francis T. S., JOSA 69: 1415
- Dymek, M. S.; Tai, Anthony M.; Yu, Francis T. S.: Optimum matched filtering for signals in nonwhite multiplicative noise (A), JOSA 69: 1417
- Chapelle, J.** See Glasser, J., AO 17: 3750
- Chapline, George.** See Wood, Lowell L., JOSA 64: 556
- Chapman, G. D.**
- Beam pathlength multiplication (T), AO 13: 679
  - Interferometric angular measurement (E), AO 13: 1646
- Chapman, Robert M.** See Blick, Dennis W., JOSA 68: 1420
- Chappell, M. G., Jr.** See Stotts, L. B., AO 18: 378
- Chapuran, Robert C.** See Robinson, Stanley R., AO 18: 3176



- Charbonneau, D. G.** See Dobrowolski, J. A., AO 16: 1491
- Chargin, A. K.** See Frank, A. M., AO 16: 1243
- Charles, C.** See Auric, D., JOSA 68: 542
- Charlot, A.**
- ; Corno, J.; Simon, Jacques F.: New 10- $\mu\text{m}$  infrared interferometer and its applications (E), AO 14: 890
- Charlson, Robert J.** See Bhardwaj, P. S., AO 13: 731; Porch, William M., AO 14: 400; Waggoner, A. P., JOSA 67: 258; Weiss, R. E., JOSA 67: 260
- ; Vanderpol, A. H.; Waggoner, A. P.; Covert, D. S.; Baker, M. B.: Dominance of tropospheric sulfate in modifying solar radiation (A), JOSA 67: 257
- Charman, W. N.**
- ; Tucker, Jill: Accommodation and color (E), JOSA 68: 459
  - ; Whitefoot, H.: Astigmatism, accommodation, and visual instrumentation (E), AO 17: 3903
- Optimal magnification for visual microscopy (E) (L), JOSA 64: 102
- Charmet, J. C.** See Ebbeni, Jean, AO 16: 2543
- Charpentier, H.** See Mayer, A., AO 17: 391, AO 17: 2138
- Charraut, D.** See Duvernoy, Jacques, JOSA 68: 1376
- Chase, L. L.**
- ; Gynberg, G.; Mysyrowicz, A.: Direct creation of high-density bixcitons at  $K = 0$  in  $\text{CuCl}$  (A), JOSA 68: 678
- Raman scattering studies of vibronically coupled impurity states (A), JOSA 67: 1422
- Chase, Richard C.**
- Aplanatic grazing incidence x-ray microscopes: design and performance (T), AO 15: 3094
- ; Silk, J. Kevin: Ellipsoid-hyperboloid x-ray imaging instrument for laser-pellet diagnostics (T), AO 14: 2096
- Chase, Stillman C., Jr.** See Bender, M. L., AO 13: 2623
- ; Engel, Jack L.; Eyerly, Howard W.; Kieffer, Hugh H.; Palluconi, Frank Don; Schofield, Donald: Viking infrared thermal mapper (errata), AO 17: 2132
  - ; Engel, Jack L.; Eyerly, Howard W.; Kieffer, Hugh H.; Palluconi, Frank Don; Schofield, Donald: Viking infrared thermal mapper (E), AO 17: 1243
- Chattopadhyay, S.**
- ; Hofmann, I.; Laslett, L. J.; Smith, L.: Stability of the K-V distribution in long periodic transport systems (A), JOSA 68: 546
- Chau, Henry H.** See Linford, Gary J., AO 14: 3057
- Chauville, J.** See Mantz, Arlan W., JOSA 66: 1094
- Chavel, Pierre.** See Lowenthal, Serge, AO 13: 718
- ; Hugonin, Jean-Paul: High quality computer holograms: the problem of phase representation (TE), JOSA 66: 989
- Lowenthal, Serge: Incoherent optical-image processing using synthetic holograms (TE), JOSA 66: 14
- ; Lowenthal, Serge: Noise and coherence in optical image processing. I. The Callier effect and its influence on image contrast (T), JOSA 68: 559
  - ; Lowenthal, Serge: Noise in optical imaging and processing systems: a physical description of the influence of coherence (A), JOSA 69: 1441
  - ; Brunol, J.: Pseudo-Wiener filtering in image deconvolution (A), JOSA 69: 1442
- Checcacci, P. F.** See Brenni, M., AO 16: 3083, AO 16: 3084; Scheggi, A. M., JOSA 65: 1022, JOSA 65: 1050
- ; Falciai, R.; Scheggi, A. M.: Modal caustics and dispersion mechanism in optical fibers (T), OL 2: 25
  - ; Falciai, R.; Scheggi, A. M.: Rimmed Cassegrain open resonator (T) (L), JOSA 66: 494
  - ; Consortini, Anna; Scheggi, A. M.: Unstable optical resonators: comment (T) (L), AO 13: 1993
  - ; Falciai, R.; Scheggi, A. M.: Whispering and bouncing modes in elliptical optical fibers (T), JOSA 69: 1255
- Chee, K. T.**
- ; Girouard, F. E.; Truong, V. V.: Optical behavior of yttrium films in ultrahigh vacuum (E) (L), AO 18: 1702
- Cheifetz, M. G.** See Bradley, L. C., JOSA 65: 1212
- Chemla, D. S.** See Oudar, J. L., JOSA 68: 1638
- Chen, B.** See Marom, Emanuel, AO 18: 1092
- Chen, C. H.**
- ; Payne, M. G.; Judish, J. P.: Kinetics studies of proton excited Ar- $\text{F}_2$  mixtures (A), JOSA 68: 716
- Chen, C. K.**
- ; de Castro, A. R. B.; Shen, Y. R.: Coherent second-harmonic generation by counterpropagating surface plasmons (E), OL 4: 393
- Chen, C. L.** See Boyd, J. T., AO 15: 1389, AO 18: 506
- Chen, C. T.** See Woodbury, D. A., JOSA 68: 1442
- Chen, Chin-Lin.** See Findakly, Talal, AO 17: 469, AO 17: 769
- Chen, Chungte W.**
- ; Breckinridge, James B.; Wyant, James C.: Designing the multiple-channel Ebert-type spectrometer with a flat image plane (A), JOSA 69: 1439
  - ; Wyant, James C.: Thin lens analogy for reflection holographic optical elements (A), JOSA 69: 1402
- Chen, Chungte William**
- ; Hopkins, George W.: Ray tracing through funnel concentrator optics (T), AO 17: 1466
- Chen, D.** See Haskal, Haim M., AO 13: 866; Ulrich, F., AO 13: 1850
- ; Koepke, B.; Bernal, G.; Enrique; Zook, J. David: Laser heating strain-induced optical waveguides (A), JOSA 66: 1102
- Magnetic materials for optical recording (R), AO 13: 767
- ; Hafich, M.; Bonne, U.; Kyonka, J.: Optical waveguide modulator using electric-field-induced scattering in PLZT (A), JOSA 65: 226
- Chen, Da-Wun.** See Knoll, John S., AO 15: 2973; Mantz, Arlan W., JOSA 66: 1093
- Chen, Di**
- ; Hafich, M.; Huber, J.; Ulmer, R.: Integrated optic star coupler (A), JOSA 67: 1393
- Chen, E. Yi.** See Kultsar, E., AO 15: 862
- Chen, F. S.** See Karr, M. A., AO 18: 1262
- ; Karr, M. A.; Shumate, P. W., Jr.: Effects of beam displacement and front and back mistracking of junction lasers on lightwave transmitter output stability (E), AO 17: 2219
  - ; Dorman, P. W.; Karr, M. A.; Rich, T. C.; Shumate, P. W., Jr.; Smith, R. G.; DiDomenico, M. D., Jr.: GaAlAs laser transmitter for optical-fiber transmission systems (A), JOSA 66: 391
- Transverse coupling and front-mirror monitoring for feedback control of laser transmitters (E), AO 18: 4095
- Chen, Gih-Horng**
- ; Moore, Duncan T.: Aspherical surface polishing with a ring polisher (ET), AO 18: 559
  - ; Moore, Duncan T.: High-speed fabrication of aspheric surfaces (A), JOSA 67: 1378
- Chen, H. H.**
- ; Liu, C. S.: Nonlinear theory of Raman and Brillouin backscattering (A), JOSA 68: 543
- Chen, Harry C. H.** See Wang, Dau-Sing, AO 18: 2672
- Chen, Hsuan.** See Leith, Emmett N., OL 2: 82, AO 17: 3187; Tai, Anthony M., JOSA 68: 1415, JOSA 68: 1443, OL 3: 190, AO 18: 6; Yu, Francis T. S., JOSA 68: 1415, AO 18: 212
- Astigmatic one-step rainbow hologram process (E) (L), AO 18: 3728
- Color blur of the rainbow holograms (A), JOSA 68: 1443
- Color blur of the rainbow hologram (T), AO 17: 3290
- ; Tai, Anthony M.; Yu, Francis T. S.: Generation of color images with one-step rainbow holograms (E) (L), AO 17: 1490
  - ; Yu, Francis T. S.: One-step rainbow hologram (E), OL 2: 85
  - ; Yu, Francis T. S.; Tai, Anthony M.: One-step rainbow holography and color imaging (A), JOSA 68: 1443
- Chen, K. I.** See Moos, H. W., AO 18: 1209
- Chen, Kwan-Yu**
- Black Holes. Edited by C. DeWitt and B. S. DeWitt (B), JOSA 64: 1151
- Chen, Michael C.** See Lord, Richard C., JOSA 65: 1164
- Chen, Sow-Hsin.** See Holz, Michael, OL 2: 109, AO 17: 1930, AO 17: 3197; Kotlarchyk, Michael, AO 18: 2470
- ; Holz, Michael; Tartaglia, P.: Quasi-elastic light scattering from structured particles (TE), AO 16: 187
- Statistical Properties of Scattered Light. By B. Crosignani, P. Diporto, and M. Bertolotti (B), AO 14: 2802
- Chen, W. P.** See Hjortsberg, A., JOSA 67: 253, AO 17: 430
- ; Hjortsberg, A.; Burstein, E.: Thin films using leaky surface EM (SEM) and interference EM (IEM) waves in the infrared (A), JOSA 67: 255
- Chenauksy, P. P.** See Freiberg, R. J., JOSA 65: 1208, AO 16: 1192
- Cheng, Charles K.**
- Laser-scanner systems for universal product code (A), JOSA 69: 1482
- Laser scanning system for roller bearing quality assurance (A), JOSA 66: 387
- Cheng, David K.**
- Arabic names and arabic numerals (L), AO 17: 325
- Name puzzle (N), AO 16: A6
- Cheng, J. C.**
- ; Nafie, L. A.; Allen, Susan D.; Braunstein, A. I.: Photoelastic modulator for the 0.55–13- $\mu\text{m}$  range (ET), AO 15: 1960
  - ; Nafie, L. A.; Stephens, P. J.: Polarization scrambling using a photoelastic modulator: application to circular dichroism measurement (TE), JOSA 65: 1031
- Cheng, Ken T.-K.**
- ; Casperson, Lee W.: Properties of a coaxial  $\text{CO}_2$  laser (E), AO 18: 2130
- Cheng, Kwok-tsang.** See Kim, Yong-Ki, JOSA 68: 836
- ; Kim, Yong-Ki: Excitation energies and oscillator strengths in the silver isoelectronic sequence (T), JOSA 69: 125
- Cheng, Thomas.** See Tai, Anthony M., JOSA 66: 1131, AO 16: 2559
- ; Tai, Anthony M.; Yu, Francis T. S.: Optimum matched filtering for signals in nonwhite multiplicative noise (A), JOSA 67: 1422
- Cheng, Y. C.** See Ingrey, S. J., AO 14: 2194; Pundsack, A. L., AO 17: 2650
- Chenoweth, A. J.** See Jackson, John E., JOSA 66: 1137
- Cheo, L. S.**
- ; Shmoys, J.; Hessel, A.: Simultaneous blazing of triangular groove diffraction gratings (T) (L), JOSA 67: 1686
- Cheo, Peter K.** See Fradin, David W., JOSA 64: 1364, JOSA 66: 292
- ; Gilden, M.: Continuous tuning of 12 GHz in two bands of  $\text{CO}_2$  laser lines (ET), OL 1: 38
- Far-infrared laser system for detection of defects in polyethylene-insulated power cables (E), OL 2: 42
- ; Wagner, R.: Recent development on high-power infrared waveguide modulators (A), JOSA 66: 290
- Transmission characteristics of infrared electro-optical waveguides (A), JOSA 66: 1101
- Cherin, Allen H.**
- Delay distortion characteristics of optical-fiber splices (A), JOSA 66: 391
- ; Rich, P. J.: Delay distortion characteristics of optical fiber splices (E), AO 16: 497
  - ; Rich, P. J.: Injection molded splice connector with silicon chip insert for joining optical fiber ribbons (A), JOSA 67: 708
  - ; Rich, P. J.: Measurement of loss and output numerical aperture of optical fiber splices (A), JOSA 67: 1372
  - ; Rich, P. J.: Measurement of loss and output numerical aperture of optical fiber splices (E), AO 17: 642
  - ; Rich, P. J.: Multigroove embossed-plastic splice connector for joining groups of optical fibers (E), AO 14: 3026
  - ; Cohen, Leonard G.; Holden, W. S.; Burrus, C. A.; Kaiser, P.: Transmission characteristics of three Corning multimode optical fibers (E), AO 13: 2359
  - ; Osborne, A.; Petrowski, D. M.: Vacuum-assisted silicon-chip multifiber chuck (E) (L), AO 16: 1464
- Chernin, David P.**
- Optical extraction efficiency in lasers with high Fresnel number confocal unstable resonators (T), AO 18: 3562
- Chernoch, J. P.** See Chun, M. K., AO 16: 1067
- Cherny, Vladimir V.**
- ; Juravlev, Gennadii A.: Optical propagation in W-fibers with rectangular core (T) (L), AO 18: 2909



- Chester, Arthur N.** See Abrams, Richard L., AO 13: 2117
- Chevillard, Jean-Pierre**  
 —; Connes, Pierre; Cuisenier, Maximilien; Friteau, Jean; Marlot, Claude: Near infrared anomalous light collector (E), AO 16: 1817
- Chew, Herman W.** See Kerker, Milton, JOSA 68: 592, JOSA 68: 1676, JOSA 69: 1049; McNulty, P. J., JOSA 68: 1452, AO 18: 1484
- ; Kerker, Milton: Abnormally low electromagnetic scattering cross sections (T), JOSA 66: 445  
 Anomalous scattering and invisible bodies in the Rayleigh-Gans approximation (T) (L), JOSA 66: 493
- ; Wang, Dau-Sing; Kerker, Milton: Elastic scattering of evanescent electromagnetic waves (T), AO 18: 2679
- ; Kerker, Milton; Cooke, Derry D.: Light scattering in converging beams (T), OL 1: 138
- ; Kerker, Milton; McNulty, P. J.: Raman and fluorescent scattering by molecules embedded in concentric spheres (T), JOSA 66: 440
- ; Sculley, M. J.; Kerker, Milton; McNulty, P. J.; Cooke, Derry D.: Raman and fluorescent scattering by molecules embedded in small particles: results for coherent optical processes (T), JOSA 68: 1686
- Cheyney, Howard, III**  
 —; Remo, John L.: Normality of integral operators occurring in resonator theory (A), JOSA 67: 1392
- Chi, Changhui**  
 —; Herman, Edward J.: Compound interlaced grating development (A), JOSA 68: 1404  
 Compound interlaced grating in high-energy laser systems (A), JOSA 67: 1420
- Chiang, Chun**  
 Moire topography (T), AO 14: 177
- Chiang, Fu-Pen.** See Khetan, R. P., AO 15: 2205; Pedretti, M. G., JOSA 68: 1742
- ; Adachi, J.; Anastasi, R.: Applications of laser speckle interferometry to strain concentration measurement (A), JOSA 66: 183
- ; Jung, R. M.: Bending and vibration of plates by laser-speckle interferometry (A), JOSA 65: 1196
- ; Lee, C. H.: Dynamic laser speckle interferometry applied to transient flexure problem (E) (L), AO 16: 3085
- ; Juang, Ren-Ming: Laser speckle interferometry for plate bending problems (TE), AO 15: 2199
- ; Khetan, R. P.: Strain analysis by one-beam laser speckle interferometry. 2: Multiaperture method (TE), AO 18: 2175
- ; Lin, C. J.: Time-average reflection-moire method for vibration analysis of plates (TE), AO 18: 1424
- ; Asundi, A.: White light speckle method of experimental strain analysis (E) (L), AO 18: 409
- Chiang, S.** See Pearsall, T. P., JOSA 66: 290
- Chiao, R. Y.**  
 Josephson junction arrays as parametric amplifiers (A), JOSA 68: 701
- Chiba, Takao.** See Togami, Yuji, AO 17: 1760
- Chickvay, J. L.** See Yoder, P. R., Jr., AO 14: 1890
- Chidlaw, R.** See Devaney, A. J., JOSA 67: 1422, JOSA 68: 1386, JOSA 68: 1352
- Chien, H. C.**  
 —; Sadasiv, G.: Optical constants of the accumulation layer in silicon MOS structures (A), JOSA 67: 255
- Chikkin, A. S.** See Akhmanov, S. A., JOSA 68: 698
- Childs, W. J.** See Fred, Mark S., JOSA 65: 1188
- ; Goodman, L. S.: Assignment of unclassified lines in Tb I through high-resolution laser-fluorescence measurements of hyperfine structure (E), JOSA 69: 815
- ; Goodman, L. S.: Complete resolution of hyperfine structure in the close doublet  $\lambda 5930.6$  of  $^{139}\text{La}$  by laser-atomic-beam spectroscopy (ET), JOSA 67: 1230
- ; Poulsen, O.; Goodman, L. S.: High-precision measurement of the hyperfine structure of the  $620\text{-cm}^{-1}$  metastable atomic level of  $^{235}\text{U}$  by laser-rf double resonance (E), OL 4: 63
- ; Poulsen, O.; Goodman, L. S.: High-precision measurement of  $^{235}\text{U}$  ground-state hyperfine structure of laser-rf double resonance (E), OL 4: 35
- ; Goodman, L. S.: Hyperfine-structure and isotope-shift measurements on  $\text{Dy I } \lambda 5988.562$  using high-resolution laser spectroscopy and an atomic beam (E), JOSA 67: 747
- ; Goodman, L. S.: Hyperfine structure of excited, odd-parity levels in  $^{139}\text{La}$  by laser-atomic-beam fluorescence (E) (L), JOSA 68: 1348
- ; Fred, Mark S.; Goodman, L. S.: Ultrasensitive detection of Cs vapor by intracavity laser quenching (E), AO 13: 2297
- Chin, C. L.** See Herman, R. M., AO 17: 520
- Chin, S. L.** See Faubert, Denis, JOSA 66: 1074, AO 18: 2347; Girard, Andre, AO 18: 1295
- ; Faubert, Denis: Collisionless ionization of  $\text{H}_2\text{O}$  and  $\text{D}_2\text{O}$  by a high-power  $\text{CO}_2$  laser (A), JOSA 67: 1396
- ; Boisclair, G.: Selective-absorption cross section of  $\text{CF}_3\text{HCl}_2$  and  $\text{CF}_3\text{CDCl}_2$  at  $10.2$  and  $10.6\ \mu\text{m}$  of a TEA  $\text{CO}_2$  laser (E), OL 4: 340
- Chinn, S. R.** See Lempicki, A., JOSA 68: 630; Spears, D. L., JOSA 66: 290
- ; Pierce, J. W.; Heckscher, H.: Low-threshold transversely excited  $\text{NdP}_5\text{O}_{14}$  laser (E), AO 15: 1444
- Chinnoek, E. L.** See Gloge, D., AO 13: 261
- Chinone, N.**  
 —; Nakashima, H.; Ikushima, I.; Ito, R.: Semiconductor lasers with a thin active layer (greater than  $0.1\ \mu\text{m}$ ) for optical communications (E), AO 17: 311
- Chiu, Wun C., Sr.** See Blackwell, H. Richard, JOSA 64: 1400  
 Chromatic dispersion and spectral transmission characteristics of Schott's UV optical fibers (A), JOSA 65: 1214  
 Digital spectral synthesis (A), JOSA 66: 1125  
 Effect of truncation of the CIE chromatic evaluation (A), JOSA 67: 1380  
 Effect of wavelength range on the CIE chromaticity system (A), JOSA 68: 1400  
 Mathematical implication of spatial transfer function of non-uniform target on visual detection (A), JOSA 64: 1400  
 Optical transfer response, nonlinearity, and visual information processing (A), JOSA 68: 1451  
 Simultaneous color contrast of Hermann pattern for normal versus defects (A), JOSA 65: 1194  
 Spectral transmission characteristics and chromatic dispersion of UV optical fibers (E), AO 14: 2585
- Chiralo, Robert P.**  
 Speech analysis by optical processing (E) (L), AO 13: 998
- Chiti, G.** See Benedetti, P. A., AO 15: 2554
- Chiu, Hong-Yee**  
 Slow scan SEC vidicon system (E), AO 16: 237
- Chiu, M. Y.** See Barrett, Harrison H., AO 18: 2760
- ; Barrett, Harrison H.; Simpson, Robert G.; Chou, Chien; Arendt, J. W.; Gindi, G. R.: Three-dimensional radiographic imaging with a restricted view angle (T), JOSA 69: 1323
- Chivian, Jay S.**  
 —; King, B. R.; Trimmer, J. R.: Index of refraction of some rare-earth halides at  $6328$  (E) (L), JOSA 65: 357
- ; Krasutsky, N. J.; Case, W. E.: Infrared absorption of  $\text{Pr}^{3+}$  in  $\text{LaCl}_3$  and  $\text{LaBr}_3$  at  $4\text{--}5\ \mu\text{m}$  (E) (L), JOSA 69: 1622
- Cho, A. Y.** See Casey, H. C., Jr., JOSA 66: 290; Merz, J. L., JOSA 66: 290; Sheilan, Jeffrey B., OL 2: 136
- ; Dixon, R. W.; Casey, H. C., Jr.; Hartman, R. L.: Junction lasers prepared by molecular-beam epitaxy operating continuously (cw) at a temperature as high as  $100^\circ\text{C}$  (A), JOSA 66: 290
- Cho, C. W.** See Gillard, P., JOSA 67: 1432; Hsieh, C. T., JOSA 64: 202
- Cho, Masanori.** See Matsumura, On, JOSA 69: 1472
- Cho, S. H.**  
 —; Shin, S. Y.; Felsen, Leopold B.: Ray-optical analysis of cylindrical unstable resonators (T), JOSA 69: 563
- ; Felsen, Leopold B.: Ray-optical analysis of unstable resonators with circular mirrors (A), JOSA 68: 1435
- ; Felsen, Leopold B.: Ray-optical analysis of unstable resonators with spherical mirrors (T), JOSA 69: 1377
- ; Shin, S. Y.; Felsen, Leopold B.: Ray-optical analysis of unstable strip resonators (A), JOSA 68: 1435
- Chodak, J. B.** See Borrelli, N. F., JOSA 68: 1395, JOSA 69: 1514; Crow, John D., AO 14: 580
- Chodko, R. A.**  
 —; Mason, S. B.; Cross, Edward F.: Annular converging wave cavity (ET), AO 15: 2137  
 Multiple-selected-line unstable resonator (TE), AO 13: 2321
- ; Mason, S. B.; Giedt, R. R.; Durran, D. A.: Variable-aperture calorimeter for an unstable resonator (ET), AO 15: 2367
- Choisser, John P.** See Tull, Robert G., AO 14: 1182
- Chopra, K. L.** See Sharma, N. C., JOSA 67: 254, AO 16: 2945
- Chopra, K. N.** See Bhatnagar, G. S., AO 13: 1553; Hradaynath, R., AO 18: 328
- ; Grover, O. P.; Hradaynath, R.: Antireflection coatings effective at two wavelengths simultaneously in the visible region using homogeneously mixed dielectrics (E), AO 18: 1750
- ; Bhatnagar, G. S.; Kumar, Rakesh: Diffraction images of truncated triangular wave objects formed by a polarizing microscope with crossed polarizers (T) (L), AO 13: 1768
- ; Kohli, K. S.; Hradaynath, R.: Highly dispersive artificial dielectrics (T) (L), AO 18: 3077
- ; Bhatnagar, G. S.: Quadruple-exposure technique in stroboscopic holographic interferometry (E) (L), AO 13: 2468
- Chou, Chien.** See Chiu, M. Y., JOSA 69: 1323
- ; Barrett, Harrison H.: Gamma-ray imaging in Fourier space (ET), OL 3: 187
- Chou, Y. S.**  
 Approximate method for radiative transfer in scattering absorbing plane-parallel media (T), AO 17: 364
- Choudhary, S.**  
 —; Felsen, Leopold B.: Guided modes in graded index optical fibers (T), JOSA 67: 1192
- Chous, Mau-Song**  
 —; Zawadzdas, Gerald A.: Discharge studies of rare-earth halide vapors and potential fusion laser systems (A), JOSA 68: 548
- Chow, C. N.** See Mocker, Hans W., JOSA 66: 380
- Chow, L. C.**  
 —; Tien, C. L.: Inversion techniques for determining the droplet size distribution in clouds: numerical examination (T), AO 15: 378
- Chow, Weng W.** See Anderson, Dana Z., AO 18: 941
- ; Hendow, Sami; Sanders, Virgil E.; Scully, Marlan O.: Studies of nonmechanical laser gyros (A), JOSA 68: 1380
- Chowdhury-Som, Chitralekha**  
 —; Som, S. C.; Boivin, Alberic: Study of inhomogeneous thin films by use of approximate methods (A), JOSA 65: 1195
- Choyke, W. J.** See Hoffman, R. A., AO 14: 1803; Rehn, Victor, AO 16: 1111
- ; Farich, R. F.; Hoffman, R. A.: SiC, a new material for mirrors. 1: High power lasers; 2: VUV applications (L), AO 15: 2006
- ; Partlow, W. D.; Supertzi, E. P.; Venskitys, F. J.; Brandt, Gerald B.: Silicon-carbide diffraction grating for the vacuum ultraviolet: feasibility (E) (L), AO 16: 2013
- Chraplyvy, A. R.**  
 —; Sievers, A. J.: Carbon dioxide laser saturation of internal-vibrational modes of molecular impurities in alkali halides (E), OL 3: 112  
 Diode laser spectra with simultaneous frequency calibration (E) (L), AO 17: 2674  
 Laser focal shift monitor (E) (L), AO 15: 2022  
 Liquid surface coating for optical components used in high power laser applications (E), AO 16: 2491
- Chrisp, M.** See Speer, R. J., AO 18: 2003
- Christensen, C. P.** See Braverman, L. W., JOSA 66: 1108
- Christensen, Charles R.** See Aleksoff, C. C., JOSA 64: 551, AO 14: 134; George, Nicholas, JOSA 66: 1282; Kozma, Adam, JOSA 66: 1257; Smith, J. Lynn, JOSA 68: 1377
- ; Guenther, B. D.; Jain, Anil K.: Digital filtering of speckle noise (A), JOSA 68: 1376
- ; Kozma, Adam: Effects of speckle on the identification of objects (A), JOSA 66: 177
- Christensen, Douglas A.** See Riaz, Abbas, JOSA 69: 348; Volz, R. J., AO 18: 1481  
 Temperature measurement using optical etalons (A), JOSA 64: 1404



- Christensen, Paul.** See Hellwarth, Robert W., AO 14: 247
- Christiansen, Walter H.**
- ; Bruckner, Adam P.: Fluid mechanical light guide (TE), AO 14: 1556
- Chrostowski, Jacek**
- ; Delisle, Claude: Asymmetrical Fabry-Perot interferometer with feedback (ET) (L), AO 18: 2358
  - ; Zardecki, Andrzej: Transmission of chaotic light through a bistable system (A), JOSA 68: 1421
- Chu, C.-M.** See Weil, Herschel, AO 15: 1832
- Chu, D. C.**
- Synthesis of two-dimensional complex arrays with good correlation and other properties (A), JOSA 64: 1395
- Chu, Pak L.** See Saekeang, Charoon, AO 18: 1110, AO 18: 3276, JOSA 68: 1298
- ; Whitbread, T.: Nondestructive determination of refractive index profile of an optical fiber: fast Fourier transform method (TE), AO 18: 1117
- Chu, Ruey-Shi**
- ; Tamir, Theodor: Bragg diffraction of Gaussian beams of periodically modulated media (T), JOSA 66: 220
  - ; Tamir, Theodor: Bragg diffraction of Gaussian beams by periodically modulated media (T) (errata), JOSA 66: 1141
  - ; Kong, Jin Au; Tamir, Theodor: Diffraction of Gaussian beams by a periodically modulated layer (T), JOSA 67: 1555
  - ; Tamir, Theodor: Diffraction of Gaussian beams by periodically modulated media for incidence close to a Bragg angle (T) (L), JOSA 66: 1438
  - ; Kong, Jin Au: Diffraction of optical beams with arbitrary profile by a periodically modulated layer (A), JOSA 68: 1371
- Chu, S.**
- ; Commins, E.: Aluminum-coated Pyrex double-ellipse laser cavity (E) (L), AO 16: 2619
  - ; Conti, R.; Bucksbaum, P.; Commins, E.: Making mica retardation plates: a simple technique (E) (L), AO 18: 1138
- Chu, William P.** See Edwards, Howard B., AO 18: 262; McCormick, M. Patrick, JOSA 67: 256; Robinson, Don M., AO 14: 2177
- ; Swisler, Thomas J.; McCormick, M. Patrick: Data inversion for spacecraft solar occultation experiments in the near IR, UV, and visible region (A), JOSA 67: 259
  - ; McCormick, M. Patrick: Inversion of stratospheric aerosol and gaseous constituents from spacecraft solar extinction data in the 0.38–1.0- $\mu$ m wavelength region (T), AO 18: 1404
  - ; Robinson, Don M.: Scattering from a moving spherical particle by two crossed coherent plane waves (T), AO 16: 619
  - ; Robinson, Don M.: Scattering from a spherical particle by two crossed coherent beams (A), JOSA 64: 1398
- Chuang, C. M.** See Boyd, J. T., AO 18: 506
- Chuang, Intaik**
- ; Andrews, C. L.; Libelo, Louis F.: Microwave diffraction by a conducting object for various shapes (E), JOSA 67: 1566
  - ; Andrews, C. L.; Libelo, Louis F.: Near-field diffraction on the axes of disks (E), JOSA 67: 1561
- Chugui, Yu. V.** See Bytchkov, R. M., AO 18: 197; Krivenkov, B. E., AO 14: 1829
- Chun, M. K.**
- ; Teppo, E. A.: Laser resonator: electrooptically Q-switched Porro prism device (TE), AO 15: 1942
  - ; Jones, W. B.; Chernoch, J. P.: Resonant-mode analysis of single-mode face pumped lasers (TE), AO 16: 1067
- Chung, Intaik.** See Andrews, C. L., JOSA 69: 1473
- Chung, Kwong T.**
- Optical anomalous dispersion of helium (T), JOSA 64: 1470
- Chung, P. S.** See Pantell, R. H., AO 18: 897
- Church, E. L.** See Zavada, J. M., JOSA 66: 1116
- ; Nagel, S. R.; Schnatterly, S. E.; Tudron, T. N.: Broadband antireflection coating for germanium in the infrared (E) (L), AO 13: 1274
  - Corrections to stylus measurements of surface finish (A), JOSA 68: 1425
  - ; Zavada, J. M.: Effects of surface microroughness on mirror absorption (A), JOSA 64: 1404
  - ; Zavada, J. M.: Effects of surface microroughness in ellipsometry (A), JOSA 66: 1136
  - ; Jenkinson, H. A.: Light-scattering experiments with diamond-turned surfaces (A), JOSA 65: 1216
  - ; Zavada, J. M.: Optical effects of surface roughness (A), JOSA 64: 547
  - ; Jenkinson, H. A.; Zavada, J. M.: Relationship between surface scattering and microtopographic features (A), JOSA 67: 254
  - ; Zavada, J. M.: Residual surface roughness of diamond-turned optics (T), AO 14: 1788
  - Sources of a  $1/\theta^2$  scattering from optical surfaces (A), JOSA 68: 1426
  - Sources of surface scattering (A), JOSA 69: 1404
  - Surface finish specifications (A), JOSA 69: 1404
- Churnside, James H.** See McIntyre, Charles M., AO 18: 3211
- ; McIntyre, Charles M.: Averaged threshold receiver for direct detection of optical communications through the lognormal atmospheric channel (T), AO 16: 2669
  - ; McIntyre, Charles M.: Joint signal current probability distribution for optical heterodyne receiver arrays in the turbulent atmosphere (TE), AO 18: 2315
  - ; McIntyre, Charles M.: Partial tracking optical heterodyne arrays (T), JOSA 68: 1673
  - ; McIntyre, Charles M.: Signal current probability distribution for optical heterodyne receivers in the turbulent atmosphere. 1 (T), AO 17: 2141
  - ; McIntyre, Charles M.: Signal current probability distribution for optical heterodyne receivers in the turbulent atmosphere. 2 (E), AO 17: 2148
  - ; McIntyre, Charles M.; Lee, Myung Hun: Statistics of irradiance from coherently illuminated targets in the atmosphere (A), JOSA 68: 1369
- Chylek, Petr.** See Wiscombe, Warren J., JOSA 67: 572
- Asymptotic limits of the Mie-scattering characteristics (T), JOSA 65: 1316
  - Depolarization of electromagnetic radiation scattered by nonspherical particles (T), JOSA 67: 175
  - Extinction cross sections of arbitrarily shaped randomly oriented nonspherical particles (T), JOSA 67: 1348
  - ; Kiehl, J. T.; Mugnai, A.: Light scattering by a pair of conjugate nonspherical particles (T), JOSA 69: 1550
  - Light scattering by small particles in an absorbing medium (T), JOSA 67: 561
  - ; Kiehl, J. T.; Ko, M. K. W.: Narrow resonance structure in the Mie scattering characteristics (T) (L), AO 17: 3019
  - ; Pinnick, R. G.: Nonuniqueness of the light scattering approximations (T) (L), AO 18: 1123
  - Partial-wave resonances and the ripple structure in the Mie normalized extinction cross section (T) (L), JOSA 66: 285
  - Polarization and scattering by nonspherical aerosols (A), JOSA 67: 257
  - Visibility and liquid-water content of fogs (A), JOSA 68: 540
- Cicerone, Carol M.** See Trejo, Leonard J., JOSA 69: 1478
- Cielaszy, D. E.** See Henderson, T. M., JOSA 68: 545
- Cielo, C.**
- ; Delisle, P.: Interferometre a reflexion totale frustree (E) (L), AO 16: 1141
- Cielo, P. G.** See McMahon, G. W., AO 18: 3720
- Fiber optic hydrophone: improved strain configuration and environmental noise protection (T), AO 18: 2933
- Cielo, Paolo.** See Delisle, Claude, JOSA 66: 1131
- ; Delisle, Claude: Filtrés a reflexion interne totale (T) (L), AO 14: 562
  - ; Delisle, Claude: Transmission of pictorial information by spectrum modulation (A), JOSA 66: 1111
- Cindrich, I.** See Tai, Anthony M., AO 18: 2812
- Cingolani, A.** See Catalano, I. M., JOSA 68: 681
- Cioli, P.**
- ; Consortini, Anna; Pandolfini, P.; Pasqualetti, F.; Ronchi, Laura; Vanni, R.: Effect of recording process in evaluating higher-order propagation statistics (TE) (L), JOSA 68: 1350
  - ; Consortini, Anna; Pasqualetti, F.; Ronchi, Laura; Vanni, R.: Intensity fluctuations of an atmospherically degraded beam at the focus of a large collecting lens (ET) (L), AO 16: 1128
- Citron, M. L.** See Chao, S. L., JOSA 69: 1430
- ; Gray, H. R.; Gabel, C. W.; Stroud, Carlos R., Jr.: Power broadening of the absorption spectrum in optically oriented sodium (A), JOSA 66: 1068
- Clair, J. J.** See Frejlich, Jaime, JOSA 67: 1644, JOSA 67: 92
- ; Frejlich, Jaime; Jonathan, J. M.: Photoresist thin films used in geometrical and integrated optics (A), JOSA 66: 163
  - ; Torres, L. H.; Abitbol, Claude: Schmidt plate produced in photoresist (A), JOSA 64: 544
- Clapham, T. N.** See Munnerlyn, C. R., JOSA 64: 1372
- Clark, B. G.**
- Very-long-baseline astronomy—continuum radiation sources (A), JOSA 64: 522
- Clark, J. H.**
- ; Shapiro, S. L.; Campillo, A. J.; Winn, K. R.: Picosecond studies of excited-state proton transfer reactions: the laser pH jump (A), JOSA 68: 1630
- Clark, James B.**
- ; Van Stryland, Eric W.; Smirl, Arthur L.; Russel, B. R.; Mackey, H. J.: Concentration dependence of picosecond molecular reorientation (A), JOSA 69: 1480
- Clark, John R.**
- ; Baird, Jack R.; Rearden, Robert S., Jr.: Low-visibility optical communications: received signal level as a function of receiver field of view (E) (L), AO 15: 314
- Clark, Michael R.** See Crane, Hewitt D., AO 17: 706
- Clark, Noel A.**
- Laser frequency stabilization: combined integrating thermal-proportional servos (E) (L), AO 15: 1375
- Clark, O. M.** See Skolnik, Lyn H., AO 13: 1999
- Clark, R. G.** See Ray, P. S., JOSA 68: 550
- Clark, R. J. H.**
- Vibrational Spectra and Structure. Volume 1. Edited by James R. Durig (B), AO 13: 213
- Clark, Roger N.**
- Cassegrain telescopes: limits of secondary movement in secondary focusing (T), AO 15: 1266
- Clark, T. A.** See Kendall, D. J. W., AO 18: 346; Naylor, D. A., AO 17: 1055
- Clark, W. M., Jr.**
- Optical homogeneity of a ultraviolet-preionized CO<sub>2</sub> laser discharge (E) (L), AO 13: 1995
- Clarke, David**
- Nomenclature of polarized light: elliptical polarization (R), AO 13: 222
  - Nomenclature of polarized light: linear polarization (R), AO 13: 3
- Claspy, P. C.** See Decker, Arthur J., AO 17: 917; Koo, Kee P., AO 16: 15, AO 18: 1314
- ; Ha, Chang; Pao, Yoh-Han: Application of a pulsed dye laser to optoacoustic detection of NO<sub>2</sub> (A), JOSA 66: 1072
  - ; Pao, Yoh-Han; Kwong, Siulit; Novod, Eugene L.: Laser optoacoustic detection of explosive vapors (E), AO 15: 1506
  - ; Ha, Chang; Pao, Yoh-Han: Optoacoustic detection of NO<sub>2</sub> using a pulsed dye laser (E), AO 16: 2972
- Claus, Albert C.**
- Almost All About Waves. By John R. Pierce (B), AO 13: 11A19
  - Critical Evaluation of Chemical and Physical Structural Information. Edited by David R. Lide, Jr. and Martin A. Paul (B), JOSA 66: 186
  - Crystal Technology. By W. L. Bond (B), AO 15: 2602
  - Electromagnetic Vibrations, Waves and Radiation. By G. Bekefi and A. Barrett (B), AO 17: 2127
  - Electrostatic Lenses. By E. Harting and F. H. Read (B), AO 16: 8
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- Introduction to Solid State Physics, 5th Edition. By C. Kittel (B), AO 16: 537
- Laue Atlas. By Eduard Preuss, Bernhard Krah-Urban, and Rainer Butz (B), JOSA 65: 747
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- Physics. By Paul A. Tipler (B), JOSA 67: 710
- Problems in Optics. By M. Rousseau and J. P. Mathieu (B), JOSA 64: 894
- Symmetry and Energy Bands in Crystals. By John C. Slater (B), JOSA 64: 254
- Theory of Polarization Phenomena. By B. A. Robson (B), AO 14: 2799
- Claus, Richard O.** See Palmer, C. Harvey, AO 16: 1849
- ; Palmer, C. Harvey: Differential interferometry: new applications in ultrasonics (A), JOSA 67: 1444
- Clavadetscher, John E.** See Frome, Francine, JOSA 66: 1078
- Clay, Burton R.** See Tuft, Richard A., JOSA 64: 1382
- Clayton, P. D.** See Oleson, J. R., AO 13: 206
- Clegg, J. C.** See Huber, D. R., AO 18: 1249
- Clement, M.**
- ; Moulin, B.; Pinet, D.; Stevenin, P.: Variable magnification spectrometer (E), AO 13: 1621
- Clements, Arthur E.**
- ; Herman, Benjamin M.: Removal of seeing and instrumental blur effects from astronomical scanner observations (TE), AO 13: 2947
- Clements, Audrey M.**
- ; Wilkins, J. Ernest, Jr.: Apodization for maximum encircled-energy ratio and specified Rayleigh limit (T), JOSA 64: 23
- Clifford, S. F.** See Hill, R. J., JOSA 68: 539, JOSA 69: 1413, JOSA 68: 892; Ochs, G. R., AO 15: 403, AO 15: 2504; Wang, Ting-i, JOSA 64: 539, AO 13: 2602, AO 16: 2236, JOSA 65: 927, JOSA 68: 334
- ; Hill, R. J.; Lawrence, Robert S.: Effect of anomalous dispersion by water vapor on  $C_n^2$  for IR propagation (A), JOSA 68: 1425
- ; Yura, Harold T.: Equivalence of two theories of strong optical scintillation (T), JOSA 64: 1641
- ; Ochs, G. R.; Wang, Ting-i: Optical wind sensing by observing the scintillations of a random scene (TE), AO 14: 2844
- ; Ochs, G. R.; Lawrence, Robert S.; Wang, Ting-i: Remote sensing of winds with passive optical sources (A), JOSA 64: 1390
- ; Ochs, G. R.; Lawrence, Robert S.: Saturation of optical scintillation by strong turbulence (TE), JOSA 64: 148
- Cline, C. F.** See Weber, Marvin J., JOSA 68: 542
- Cline, Richard**
- ; Wise, Tim: Optical system for the thematic mapper (A), JOSA 68: 1431
- Closs, Joseph V.** See Gunter, Roy C., Jr., AO 14: 174
- Clothier, W. K.** See Bruce, C. F., JOSA 64: 823
- Cloud, Gary**
- ; Practical speckle interferometry for measuring in-plane deformation (E), AO 14: 878
- Clough, Shepard A.** See Rothman, L. S., AO 17: 507
- ; Kneizys, Francis X.: Convolution algorithm for the Lorentz function (T), AO 18: 2329
- ; Kneizys, Francis X.; Rothman, L. S.; Smith, H. J. P.; Dube, D. J.; Gardner, M. E.: Fast atmospheric transmittance and radiance algorithm: FASCODE (A), JOSA 68: 1424
- Clouser, Richard W.** See Frank, Alan M., AO 17: 671
- Clouter, M. J.** See Ahmad, S. F., JOSA 67: 1409; Gagnon, R. E., AO 18: 1237; May, W., AO 17: 1603, AO 17: 2873
- Clow, Richard**
- ; McNolty, Frank: Bivariate distribution, correlation, and transformation properties of two-color infrared systems (T), AO 13: 1238
- ; Hansen, Eldon; McNolty, Frank: Detection probabilities for fluctuating infrared targets (T), AO 14: 61
- Clua-Gonzalez, Alicia L.**
- ; Optical analysis of the hyperfine structure of  $^{59}\text{Co}$  in the region 4000–4300 Å (E), JOSA 68: 251
- Coakley, J. Marshall.** See Bostrom, R. G., AO 15: 574; Peterson, R. W., JOSA 64: 537
- Coakley, Robert W.**
- ; Detenbeck, Robert W.: Brillouin-scattering measurements of the acoustic absorption coefficient in liquid  $\text{CS}_2$  (E), JOSA 65: 6
- Cobb, Harold W.**
- ; Depolarizer for pulsed monochromatic light (A), JOSA 64: 529
- Cobble, J. A.**
- ; Cold-electron temperature measurements in ELMO by excitation rate ratios of vacuum ultraviolet transitions (E) (L), AO 13: 2003
- Coblitz, David B.**
- ; Carney, James A.: Dye removal from holographic films (E) (L), AO 13: 1994
- Cobos, Francisco**
- ; Comparison of Cassegrain correctors (A), JOSA 68: 1373
- Cocco, D. M.** See Warde, Cardinal, OL 3: 196, OL 4: 73
- Cochran, William D.** See Smith, W. Hayden, AO 15: 717
- Cocke, C. L.** See Gardner, R. K., JOSA 68: 830
- Coe, Donald.** See Robben, Frank, JOSA 66: 1063, JOSA 66: 1063
- Coffeen, David L.**
- ; Polarization and scattering characteristics in the atmospheres of earth, Venus, and Jupiter (TE), JOSA 69: 1051
- ; Polarization and scattering characteristics in the atmospheres of earth, Venus, and Jupiter (TE), JOSA 69: 1191
- Coffey, M. T.** See Mankin, William G., JOSA 69: 1427
- Coffey, Timothy**
- ; Laser Plasmas and Nuclear Energy. By Heinrich Hora (B), AO 15: 1107
- Coffield, Frederick E.** See Angus, John C., AO 16: 2798; Gallagher, Neal C., Jr., AO 16: 413
- Coffman, James E.**
- ; Laikin, Milton: PATZ—an underwater LLL TV camera with internal pan and tilt, zoom (A), JOSA 66: 1124
- Cogan, Alexander I.**
- ; Silverman, Gerald: Fluctuations of visibility during dichoptic viewing (A), JOSA 69: 1452
- Cogger, L. L.** See Murphree, J. S., AO 17: 1849
- Cohen, Alex**
- ; Spectroscopic Methods of Identification of Microquantities of Organic Materials. By G. M. Ayling (B), AO 15: 562
- Cohen, Ariel.** See Graber, M., JOSA 65: 1306
- ; Cooney, John A.; Geller, Kenneth N.: Atmospheric temperature profiles from lidar measurements of rotational Raman and elastic scattering (T), AO 15: 2896
- ; Cloud-base water content measurement using single wavelength laser-radar data (TE), AO 14: 2873
- ; Alpert, Pinhas: Cross sections for extinction of tilted infinite circular cylinders (T) (L), AO 18: 2728
- ; Horizontal visibility and the measurement of atmospheric optical depth of lidar (T), AO 14: 2878
- ; Kleiman, M.; Cooney, John A.: Lidar measurements of rotational Raman and double scattering (TE), AO 17: 1905
- ; Cooney, John A.; Raviv, G.; Wolfson, N.: Mathematical inversion of angular multiple light scattering data (TE), AO 18: 2466
- ; Multiple scattering measurements as a function of wavelength by use of a dye laser (E) (L), AO 14: 268
- Cohen, C.** See Ludmirsky, A., AO 18: 545
- Cohen, Gerald H.** See Saini, Vasant D., JOSA 68: 1392, JOSA 69: 1029
- ; Automated synthesis technique for optical thin film systems (A), JOSA 67: 1429
- ; Saini, Vasant D.: Threshold pupillary contraction in color normals and abnormals (A), JOSA 67: 1381
- Cohen, Leonard.** See Behring, William E., JOSA 66: 376, JOSA 66: 1141; Burkhalter, P. G., JOSA 69: 1133; Doschek, G. A., JOSA 65: 463
- ; Behring, William E.: Wavelengths and levels of the Na I isoelectronic sequence from K IX through Mn XV (ET), JOSA 66: 899
- Cohen, Leonard G.** See Cherin, Allen H., AO 13: 2359; Lin, Chinlon, JOSA 67: 255, JOSA 67: 709, JOSA 68: 633; Mammel, Wanda L., JOSA 69: 1462; Presby, Herman M., AO 18: 3249
- ; Presby, Herman M.; Mammel, Wanda L.: Correlation between numerical predictions and measurements of single- and double-mode fiber transmission characteristics (A), JOSA 69: 1448
- ; Astle, H. W.; Kaminow, Ivan P.: Frequency domain measurements of dispersion as a function of wavelength in multimode optical fibers (A), JOSA 67: 707
- ; Personick, S. D.: Length dependence of pulse dispersion in a long multimode optical fiber (E), AO 14: 1357
- ; Schneider, M. V.: Microlenses for coupling junction lasers to optical fibers (E), AO 13: 89
- ; Lin, Chinlon: Pulse delay measurements in the zero material dispersion wavelength region for optical fibers (ET), AO 16: 3136
- ; Pulse transmission measurements for determining near optical profile gradings in multimode borosilicate optical fibers (ET), AO 15: 1808
- ; Shuttle pulse measurements of pulse spreading in an optical fiber (E), AO 14: 1351
- ; Presby, Herman M.: Shuttle pulse measurements of pulse spreading in a low loss graded-index fiber (E), AO 14: 1361
- Cohen, M. G.**
- ; Kaplan, R. A.: Laser machining of micron-dimension rectangular holes on thin-film photomasks (A), JOSA 66: 380
- Cohen, M. I.** See Klaiber, Robert J., JOSA 67: 706
- Cohen, Marvin M.**
- ; Physics and Technology of Semiconductor Light Detectors and Emitters. Edited by A. Frova (B), AO 14: A44
- Cohen, N.**
- ; Bott, J. F.: Vibrational relaxation rate of HF(2) by HF (T) (L), AO 15: 28
- Cohen, R. L.**
- ; Loss measurements in optical fibers. 1: Sensitivity limit of bolometric techniques (T), AO 13: 2518
- ; West, K. W.; Lazay, P. D.; Simpson, J.: Loss measurements in optical fibers. 2: Bolometric measuring instrumentation (E), AO 13: 2522
- ; Lanzerotti, L. J.: Noise in fiber optics communications systems induced by ionizing radiation (E) (L), AO 13: 2190
- ; West, K. W.; Lazay, P. D.; Simpson, J. R.: Short-sample transmission-loss measurements in optical fibers (A), JOSA 64: 526
- Cohen, Roger W.** See Carlson, Curtis R., JOSA 68: 1379, JOSA 69: 1450
- ; Gorog, I.; Knox, J. D.: Acoustic power-dependent roll-off characteristics of anisotropic Bragg deflectors (A), JOSA 64: 554
- ; Society for Information Display, international symposium and exhibition, Washington D.C., 22–24 Apr 1975: comments on the report by L. M. Biberman (M), AO 14: 2788
- Cohen, Steven C.**
- ; Heterodyne detection: phase front alignment, beam spot size, and detector uniformity (T), AO 14: 1953
- Cohn, Daniel R.** See Wolfe, S. M., AO 15: 2645; Woskoboinikov, P., JOSA 68: 1394
- ; Submillimeter-wave diagnostics of tokamak plasmas (A), JOSA 65: 1197
- Cohn, Theodore E.** See Greenhouse, Daniel S., JOSA 68: 266; Lasley, David J., JOSA 66: 1079, JOSA 67: 1426
- ; Thibos, Larry N.; Kleinstein, Robert N.: Detectability of a luminance increment (TE), JOSA 64: 1321
- ; Lasley, David J.: Detectability of a luminance increment: effect of spatial uncertainty (E), JOSA 64: 1715
- ; Detectability of a luminance increment: effect of superimposed random luminance fluctuation (E) (L), JOSA 66: 1426
- ; Detection of 1-of- $M$  orthogonal signals: asymptotic equivalence of likelihood ratio and multiband models (T), OL 3: 22
- ; Effect of random luminance fluctuation on luminance increment detectability (A), JOSA 65: 1184
- ; Saleh, Bahaa E. A.: Method of estimating dark light and quantum efficiency from ROC curves (A), JOSA 67: 1426
- ; Quantum fluctuation effects predicted from receiver operating characteristic (ROC) analysis (A), JOSA 69: 1465
- Coisson, R.** See Burlamacchi, P., AO 16: 1553
- Cojocaru, Eva.** See Nistor, L. C., AO 18: 3517
- Coker, J. E.** See Anderson, D. B., AO 13: 2742; James, K. A., JOSA 66: 386
- Colak, S.**
- ; Yeh, Cavour; Casperson, Lee W.: Scattering of focused beams by tenuous particles (T), AO 18: 294



- Colavita, E.** See Balzarotti, A., AO 14: 2412
- Colburn, John.** See Colgate, Stirling A., AO 14: 1429
- Colburn, Theodore R.** See Resnik, Judith A., JOSA 68: 937
- Colburn, W. S.** See Chang, Byung Jin, JOSA 67: 1373
- ; Ralston, L. M.: Environmental stability of holographic recording materials (A), JOSA 64: 563
- ; Tompkins, E. N.: Improved thermoplastic-photoconductor devices for holographic recording (E), AO 13: 2934
- ; Chang, Byung Jin: Photoconductor-thermoplastic image transducer (A), JOSA 67: 1383
- Colby, C. P.** See Ferneyhough, D. G., JOSA 66: 174
- Colby, P. C.** See Narducci, Lorenzo M., JOSA 64: 1399
- Cole, A. R. H.** See Braund, Doris B., AO 15: 419
- Cole, J. B.** See Stenhouse, I. A., AO 18: 3819
- ; Bruce, C. F.: Iodine stabilized laser with three internal mirrors (ET), AO 14: 1303
- ; Swords, M. D.: Laser Doppler anemometry measurements in an engine (E), AO 18: 1539
- ; Swords, M. D.: Optical studies of turbulence in an internal combustion engine (A), JOSA 68: 656
- Cole, J. H.** See Sheem, Sang K., OL 4: 322
- Cole, Norman**
- ; Cook, Kelly: Semiflexible polishing tool (A), JOSA 68: 1445
- Cole, Robert E.** See Young, Rockefeller S. L., JOSA 64: 1145
- Cole, T.** See Batchelder, J. S., AO 18: 3090; Swartz, B. A., OL 1: 73
- Cole, T. W.**
- Electrooptical array processor for complex signals (E), AO 17: 2952
- Mutual coherence function in radio astronomy (T), JOSA 69: 554
- Coleman, C. I.**
- Field-enhancement of photoemission from cesium telluride (ET), AO 17: 1789
- Coleman, Daniel.** See Magarinos, Jose R., JOSA 68: 1442, JOSA 69: 1415
- Coleman, Howard S.**
- ; Jones, Roger C.: Concept of super-Planckian sources (A), JOSA 64: 545
- ; Falkner, Rebecca; Agar, Karl H.: Treatment of field-test data illustrated by pulsed laser measurement (A), JOSA 64: 1359
- Coleman, Lamar W.** See Ahlstrom, Harlow G., JOSA 68: 1731; Sweeney, Donald W., AO 15: 1126
- ; Attwood, D. T.; Brooks, K.; Boyle, M.; Campbell, E. M.; Ceglie, N. M.; Kalibjian, R.; Lerche, R. A.; Slivinsky, V. W.: Diagnostics for laser fusion implosion experiments (A), JOSA 68: 547
- Coleman, Paul D.** See Danielewicz, Edward J., JOSA 66: 288, AO 13: 1164, AO 15: 761
- Present and future problems concerning lasers in the far-infrared spectral region (R), JOSA 67: 894
- Coleman, William J.** See Gill, Dennis H., JOSA 66: 78; Reich, F. R., JOSA 65: 1211, JOSA 65: 1211
- Evolution of optical thin films by sputtering (E), AO 13: 946
- Colgate, Stirling A.**
- ; Moore, Elliott P.; Colburn, John: SIT vidicon with magnetic intensifier for astronomical use (E), AO 14: 1429
- Collares-Pereira, M.** See also Pereira, M.
- ; Rabl, Ari; Winston, Roland: Lens-mirror combinations with maximal concentration (TE), AO 16: 2677
- Collett, Edward.** See Farina, J. D., JOSA 69: 1414; Wolf, Emil, JOSA 66: 1065, JOSA 69: 1473
- ; Wolf, Emil: Equivalence theorem for radiant intensity from planar sources of different states of spatial coherence (A), JOSA 68: 1410
- ; Wolf, Emil: Equivalence theorems for planar sources that generate the same distributions of radiant intensity (T), JOSA 69: 942
- Exact analytical solution for Gaussian-beam propagation (A), JOSA 65: 1208
- ; Foley, J. T.; Wolf, Emil: Investigation of Tatarskii into the relationship between coherence theory and the theory of radiative transfer (T), JOSA 67: 465
- ; Wolf, Emil: Is complete spatial coherence necessary for the generation of highly directional light beams? (T), OL 2: 27
- Photoelectric determination of the Mueller-Stokes matrix elements (A), JOSA 65: 1166
- ; Wolf, Emil: Quasi-homogeneous Gaussian light beams (A), JOSA 69: 1413
- ; Wolf, Emil: Representation of image fields based on partial wave analysis (A), JOSA 67: 1437
- Collewyn, Han.** See Steinman, Robert M., JOSA 68: 1359
- Collins, C. B.**
- ; Taylor, K. N.; Carroll, J. M.: Charge transfer pumping of the helium-nitrogen laser in an electrical avalanche discharge at atmospheric pressures (A), JOSA 68: 716
- Collins, Dave G.** See Blattner, Wolfram G., AO 13: 534
- Collins, David W.**
- ; Cookingham, Robert E.; Lewis, Aaron: Continuously tunable optical filter for use in resonance Raman spectroscopy (E), AO 16: 252
- Collins, George J.** See Fairbank, W. M., Jr., JOSA 68: 1411; Shay, T., JOSA 68: 1356
- Continuous wave ultraviolet sources in the 200–400 nm region (A), JOSA 68: 1355
- Hollow cathode lasers (A), JOSA 66: 1100
- Collins, Stuart A., Jr.** See Ambuel, Jack, JOSA 69: 1484; Duncan, Donald D., JOSA 64: 560, JOSA 65: 1218; Pape, L. E., Jr., JOSA 65: 1218; Sengupta, Uday K., OL 3: 199; Zakman, Zdravko M., JOSA 69: 1422
- ; Liu, Y. J.; Pape, L. E., Jr.: Altitude dependence of  $C_n^2$  evaluation of airborne refractive index fluctuations (A), JOSA 68: 539
- ; Ambuel, Jack: Numerical optical data processor (A), JOSA 67: 1383
- ; Duncan, Donald D.: Simulation of atmospherically degraded beams II: Polynomial approach (A), JOSA 65: 1218
- ; Liu, Y. J.: Slew source angle-of-arrival measured with a centroid detector (A), JOSA 66: 1066
- Collins, William C.**
- ; Greer, Milton O.: Real-time recording medium: photodichroic KFLiF (E), AO 17: 1550
- Colombant, D. G.**
- ; Manheimer, W. M.: Tame turbulence in laser absorption (A), JOSA 68: 543
- Colson, Steven D.** See Keirns, Mary H., JOSA 65: 1413
- Colson, W. B.**
- ; Louisell, William H.; Lam, Juan F.; Cantrell, Cyrus D.: Classical evolution of a free-electron laser oscillator (A), JOSA 68: 1620
- Coluzza, C.** See Rosei, R., OL 1: 217
- Colwell, Jack H.** See Fontanella, John, AO 16: 2949
- Colwell, Robert N.**
- Optical versus electronic enhancement of remote sensing imagery (A), JOSA 66: 171
- Comaskey, Brian.** See Shoemaker, Richard L., JOSA 68: 1388
- Comastri, Silvia A.** See Simon, Juan M., AO 18: 2912
- Comera, J.** See Mayer, A., AO 17: 391, AO 17: 2138
- Comerford, James P.** See Kaiser, Peter K., JOSA 64: 1386, JOSA 66: 818
- ; Kaiser, Peter K.: Luminous-efficiency functions determined by heterochromatic brightness matching (E) (L), JOSA 65: 466
- Comerford, Liam D.** See Crow, John D., JOSA 67: 708, OL 1: 40, AO 17: 479; Laff, Robert A., AO 17: 778
- Commings, E.** See Chu, S., AO 16: 2619, AO 18: 1138
- Commings, E. D.**
- Tests for parity violation in atomic physics employing laser spectroscopy (A), JOSA 68: 1411
- Compaan, A.** See Chandra, S., JOSA 68: 633
- ; Chandra, S.: Coherent anti-Stokes Raman scattering with counterpropagating laser beams (ET), OL 4: 170
- Conant, J. A.** See Bernstein, L. S., AO 18: 2454
- Conant, L. C.**
- ; Reno, C. W.: GaAs laser diode pumped Nd:YAG laser (E) (L), AO 13: 2457
- Condell, W. J., Jr.**
- Actinometry, Atmospheric Optics, Ozonometry. Edited by G. P. Gushchinn (B), AO 14: 1737
- Advances in Holography, Volume 1. Edited by Nabil H. Farhat (B), AO 15: 1891
- Advances in Holography, Volume 2. Edited by Nabil H. Farhat (B), AO 16: 270
- Advances in Holography, Volume 3. Edited by Nabil H. Farhat (B), AO 17: 1847
- Photonics. Edited by M. Balkanski and P. Lallemant (B), AO 14: 2798
- Principles of Holography. By Howard M. Smith (B), AO 15: 1891
- Spectrophysics. By Anne P. Thorne (B), AO 14: 2308
- Three-Dimensional Imaging Techniques. By T. Okoshi (B), AO 17: 1477
- Cone, Peter F.**
- ; Feinleib, Julius: High-speed deformable mirrors for wavefront correction (A), JOSA 65: 1212
- Confer, D. L.**
- ; Azzam, R. M. A.; Bashara, N. M.: Ellipsometer nulling: convergence and speed (TE), AO 15: 2568
- Conn, R. W.**
- ; Moses, G. A.; Abdel-Kharik, S. I.: Laser fusion for electric power production (A), JOSA 68: 545
- Connors, Gary H.** See Paxton, K. B., AO 14: 2274
- Liquid Crystal Devices. Edited by Thomas Kallard (B), JOSA 64: 734
- Connes, Pierre.** See Chevillard, Jean-Pierre, AO 16: 1817
- ; Michel, Guy: Astronomical Fourier spectrometer (E), AO 14: 2067
- Fourier, Pasteur, and sundry others (R), AO 17: 1318
- Recent results by Fourier spectroscopy (A), JOSA 66: 1081
- Connolly, J. W.** See Casella, A. J., AO 14: 771
- Connolly, John S.** See Zuclich, Joseph A., JOSA 66: 79
- Conradi, J.**
- Planar germanium photodiodes (E), AO 14: 1948
- Conroy, J. J.** See Brandt, Gerald B., JOSA 66: 1094, JOSA 67: 1269
- Consortini, Anna.** See Bendinelli, M., JOSA 64: 1498; Checacci, P. F., AO 13: 1993; Ciolli, P., AO 16: 1128, JOSA 68: 1350
- ; Pasqualetti, F.; Ronchi, Laura; Vanni, R.: Averaging effect of the collecting aperture on the intensity fluctuations of an atmospherically degraded laser beam (A), JOSA 68: 539
- ; Pasqualetti, F.: Comparison of various diffraction formulas in a study of open resonators (T), AO 17: 2519
- ; Ronchi, Laura: Detector nonlinearity effects on the statistics of a fluctuating signal (T), AO 17: 1286
- ; Tognazzi, R.; Ronchi, Laura: Open beam waveguides: theory (T), AO 14: 1565
- ; Ronchi, Laura: Probability distribution of the sum of  $N$  complex random variables (T), JOSA 67: 181
- Conti, R.** See Chu, S., AO 18: 1138
- Conturie, Yves.** See Gagne, Jean-Marie, AO 13: 2835, JOSA 65: 876
- ; Forsyth, James M.: Extreme ultraviolet and x-ray spectroscopy of an inverted laser-produced aluminum plasma (A), JOSA 69: 1410
- Conway, John G.** See Goldsmith, Samuel, JOSA 65: 1371; Lulu, Bruce, JOSA 68: 1446; Paisner, Jeffrey A., JOSA 68: 640; Shalimoff, George V., JOSA 68: 267, JOSA 68: 1292; Van Deuren, Cornelius H. H., JOSA 64: 498; Worden, Earl F., JOSA 67: 1418, JOSA 68: 1411, OL 3: 156, JOSA 64: 77, JOSA 66: 109, JOSA 68: 52, JOSA 69: 733
- Analytical Laser Spectroscopy. Edited by Nicolò Omenetto (B), AO 18: 2766
- Optical Spectra of Transparent Rare Earth Compounds. By S. Hufner (B), JOSA 69: 1188
- Conwell, Esther M.** See Pole, Robert V., AO 14: 569
- Integrated Optics. Edited by T. Tamir (B), AO 15: 2012
- Cook, Bill D.**
- Proposed mapping of ultrasonic fields with conventional light diffraction (TE), JOSA 65: 682
- Cook, Floyd H.** See Murphy, Randall E., JOSA 64: 1364, JOSA 67: 250, JOSA 65: 600; Vanasse, George A., AO 15: 290
- Cook, G. R.** See Goldman, A., AO 18: 604
- Cook, J. S.**
- ; Mullins, J. H.; Schwartz, M. I.: Experimental fiber optics communications system (A), JOSA 66: 391



- Cook, Kelly.** See Cole, Norman, JOSA 68: 1445
- Cook, R. O.**  
—; Hamm, C. W.: Fiber optic lever displacement transducer (TE), AO 18: 3230
- Cook, Richard J.**  
Beam wander in a turbulent medium: an application of Ehrenfest's theorem (T), JOSA 65: 942
- Cook, T. B.** See Hard, T. M., AO 18: 3216
- Cook, William R., Jr.**  
—; Hubby, L. M., Jr.: Indices of refraction of potassium pentaborate (E) (L), JOSA 66: 72
- Cooke, Derry D.** See Chew, Herman W., OL 1: 138, JOSA 68: 1686; Druger, S. D., AO 18: 3888; Dusel, Peter W., JOSA 69: 55; Kerker, Milton, AO 15: 2105, JOSA 68: 135, JOSA 68: 592, JOSA 68: 1676, JOSA 69: 1049; McNulty, P. J., JOSA 68: 1452
- ; Kerker, Milton: Response calculations for light-scattering aerosol particle counters (T), AO 14: 734
- Cooke, Frank**  
Accurate convex hyperbola (N), AO 18: 2907  
Accurate polygons in germanium and silicon (N), AO 18: 3535  
Edging a large oval piece of glass (N), AO 14: 11  
Generation of a spherical mirror in aluminum (N), AO 18: 3878  
Making a complete ellipse of rotation (L), AO 18: 253  
Making a convex aspheric (N), AO 14: 803  
Making an 18-in. diameter integrating sphere (L), AO 14: 1252  
Making high-grade quartz tubes (L), AO 18: 1695  
One way of making a long octagonal prism (L), AO 14: 2036  
Optical activities in industry (N), AO 13: 13, AO 13: 229, AO 13: 457, AO 13: 707, AO 13: 1010, AO 13: 1264, AO 13: 1541, AO 13: 1737, AO 13: 1987, AO 13: 2449, AO 13: 2748, AO 14: 11, AO 14: 253, AO 14: 553, AO 14: 803, AO 14: 1051, AO 14: 1252, AO 14: 1753, AO 14: 2036, AO 14: 2791, AO 15: 293, AO 15: 836, AO 15: 1104, AO 15: 1353, AO 15: 1661, AO 16: 1459, AO 16: 272, AO 16: 1122, AO 16: 1768, AO 16: 2019, AO 16: 2344, AO 16: 2586, AO 16: 2785, AO 17: 6, AO 17: 321, AO 17: 671, AO 17: 977, AO 17: 1307, AO 17: 1661, AO 17: 3022, AO 18: 253, AO 18: 608, AO 18: 1284, AO 18: 1695, AO 18: 2090, AO 18: 2525, AO 18: 2907, AO 18: 3205, AO 18: 3535, AO 18: 3878  
To make an aluminum polygon (E) (L), AO 17: 6  
Twelve-sided polygon of hardened steel (L), AO 18: 2090  
Two matched prisms (N), AO 14: 253
- Cooke, W. E.**  
—; Gallagher, T. F.: Measurement of  $1D_2 \rightarrow 1F_3$  microwave transitions in strontium Rydberg states using selective resonance ionization (E), OL 4: 173
- Cookingham, Robert E.** See Collins, David W., AO 16: 252
- Coolen, F. C. M.**  
—; Hagedoorn, H. L.: Detection of  $^{20}\text{Na}$  atoms and measurement of sodium-vapor densities by means of atomic-resonance fluorescence (E), JOSA 65: 952  
—; Baghuis, L. C. J.; Hagedoorn, H. L.; van der Heide, J. A.: Measurement of very-low sodium-vapor densities by means of optical resonance fluorescence (E), JOSA 64: 482
- Cooley, R. J.** See Paxton, K. B., AO 14: 2274
- Cooney, John A.** See Cohen, Ariel, AO 15: 2896, AO 17: 1905, AO 18: 2466  
Acquisition of remote atmospheric temperature profiles by use of Raman lidar backscatter (A), JOSA 68: 1434  
—; Pina, Madeline: Laser radar measurements of atmospheric temperature profiles by use of Raman rotational backscatter (L), AO 15: 602  
Normalization of elastic lidar returns by use of Raman rotational backscatter (E) (L), AO 14: 270
- Cooper, A. W.** See Crittenden, Eugene C., Jr., JOSA 68: 539
- Cooper, Benjamin S.**  
—; Werthamer, N. Richard: Two physicists look at congress from the inside out (A), JOSA 64: 523
- Cooper, C. M.** See Wilson, R. M., AO 16: 944
- Cooper, H. W.** See Koomen, M. J., AO 14: 743
- Cooper, W. E.** See Felton, T. B., JOSA 64: 1385
- Cooperstein, G.**  
—; Goldstein, Shyke A.; Lee, Roswell; Mosher, D.; Stephanakis, S. J.: Production and focusing of intense light ion beams (A), JOSA 68: 545
- Cope, W. T.**  
—; Wolbarsht, Myron L.; Yamanashi, B. S.: Corneal polarization cross (E) (L), JOSA 68: 1139
- Copeland, D. A.** See Hauelsen, Donald C., JOSA 68: 703
- Copeland, G. E.** See Rogowski, R. S., AO 17: 1301
- Corbett, Francis J.**  
Techniques for optimum information extraction in multispectral photography (A), JOSA 65: 1172
- Corcoran, Vincent J.** See Barnes, Norman P., AO 15: 696
- ; Crabbe, I. A.: Electronically scanned waveguide laser arrays (T) (L), AO 13: 1755  
Optical phased-array antennas (A), JOSA 65: 1225  
Randomly spaced phased arrays with large interelement spacing (T) (L), AO 16: 2029  
Resolution of active long-wavelength imaging systems (A), JOSA 68: 1362  
—; McMillan, Robert W.; Rushworth, P. M.: Selection of cw mode-locked laser pulses (E), AO 14: 643  
Speckle and specular effects in active long-wavelength imaging systems (A), JOSA 67: 1390  
Speckle and specular effects in active long-wavelength imaging systems using heterodyne detection (A), JOSA 68: 1361
- Cordero-Davila, Alberto.** See Cornejo-Rodriguez, Alejandro, JOSA 69: 1418, AO 18: 3075
- Cordray, D. Merritt.** See Haight, Kenneth M., AO 17: 2668, AO 18: 593; Takken, E. H., AO 13: 2753  
—; Haight, Kenneth M.: Lowtran 3B performance in the infrared windows of the atmosphere (A), JOSA 68: 1424
- Cordray, R.** See Marowsky, G., JOSA 68: 701, AO 17: 3491
- Corkum, P. B.** See Enright, G. D., JOSA 67: 1409  
—; Baldis, H. A.: Extra-cavity feedback into unstable resonators (ET), AO 18: 1346  
—; Alcock, A. J.: Subnanosecond probing of pulse-broadening effects in a multiatmosphere  $\text{CO}_2$  amplifier (A), JOSA 67: 1404
- Corliss, Charles H.** See Zalubas, R., JOSA 66: 35; Annual Reports on Analytical Atomic Spectroscopy Reviewing 1975, Volume 5. Edited by C. W. Fuller (B), JOSA 67: 986  
Atomic Energy Levels and Grottrian Diagrams, Volume 1: Hydrogen I-Phosphorus XV. By Stanley Bashkin and John O. Stoner, Jr. (B), AO 15: 2293
- Cormier, M.** See Beaulieu, R., JOSA 67: 1434, JOSA 68: 1442, AO 17: 3619, AO 18: 3076; Blanchard, M., JOSA 67: 1434; Langlois, Pierre, JOSA 65: 1167, JOSA 67: 87; Rioux, Marc, AO 16: 1791, AO 16: 1876, AO 17: 3864  
—; Blanchard, M.; Rioux, Marc; Beaulieu, R.: Holographie en infrarouge sur des minces couches d'huile (E), AO 17: 3622
- Cornejo, Alejandro.** See Cornejo-Rodriguez, Alejandro
- Cornejo-Rodriguez, Alejandro.** See Malacara-Hernandez, Daniel, JOSA 66: 1104, AO 13: 1778, AO 14: 279, AO 14: 1065, AO 15: 2220; Noble, Robert H., JOSA 64: 1377, AO 13: 2476; Roychoudhuri, Chandrasekhar, JOSA 64: 1382, JOSA 67: 1385, AO 14: 2051, AO 15: 1680  
—; Malacara-Hernandez, Daniel: Caustic coordinates in Plazzeck-Gaviola test of conic mirrors (T) (L), AO 17: 18  
—; Cordero-Davila, Alberto: Graphical ray tracing for conic surfaces (T) (L), AO 18: 3075  
—; Cordero-Davila, Alberto: Measurement of radii of curvature using a nodal bench and He-Ne laser (A), JOSA 69: 1418  
—; Fouere, Jean Claude: Ronchi gratings for small linear measurements (E) (L), AO 13: 740  
Sharpening the fringes in the Ronchi test. II (A), JOSA 68: 1415
- Cornette, William M.**  
Low resolution/high resolution atmospheric propagation computer code (A), JOSA 69: 1399
- Cornish, W. D.**  
—; Young, L.; Thewalt, M. L. W.: Space charge fields: a fringe technique for observing such fields during hologram writing in  $\text{LiNbO}_3$  (E), AO 15: 1258
- Corno, J.** See Charlot, A., AO 14: 890
- Cornsweet, Tom N.**  
Automatic measurement of the refractive error of the eye (A), JOSA 66: 1113
- Cornwell, Dean F.** See Brooks, Lawrence D., JOSA 68: 1385; Hirschberg, Joseph G., AO 18: 2726  
Intensity redistribution (A), JOSA 69: 1456
- Cornwell, L. W.**  
Acceleration technique applied to conjugate-direction algorithms for nonlinear problems (L), JOSA 65: 851
- Coron, N.** See Baluteau, J. P., AO 16: 1834
- Corradini, C.**  
—; Tonna, G.: Computations concerning the actual light scattering coefficient as measured in haze and fog (T) (L), AO 18: 1706
- Corriveau, Robert.** See Tam, W. G., JOSA 68: 763
- Corrons, A.**  
—; Pons, A.: Solar irradiance measurements by means of optical fibers and silicon detectors (E), AO 18: 2902
- Corwin, Thomas R.** See Green, Marc A., JOSA 67: 1408; Kitterle, Frederick L., JOSA 69: 1445  
—; Green, Marc A.: Broca-Sulzer effect in a Ganzfeld (A), JOSA 66: 1078  
—; Beaty, W. J.; Bowker, Duane O.: Oblique effect as a function of contrast (A), JOSA 69: 1445
- Cory, Earl.** See Birnbaum, George, AO 13: 1660
- Cosden, T. A.** See Horton, R. F., JOSA 65: 1202
- Cosden, Thomas H.** See Trusty, Gary L., JOSA 67: 256, JOSA 67: 1370, JOSA 68: 1358
- Costa, E.**  
—; Auremma, G.; Boccaccini, L.; Ubertini, P.: Reflectivity of gold coated surfaces in the soft x-ray range (ET), AO 17: 621
- Costa, L. F.** See Grum, Franc, AO 13: 2228, AO 15: 76
- Costa, Larry**  
Accuracy in Spectrophotometry and Luminescence Measurements, Proceedings of the Conference Held at the National Bureau of Standards, Gaithersburg, Maryland, March 22-24, 1972. Edited by R. Mavrodineanu, J. I. Shultz, and O. Menis (B), JOSA 68: 552
- Costich, Verne R.** See Bloom, Arnold L., JOSA 64: 548, JOSA 65: 1195  
Coatings for crystals (A), JOSA 66: 383  
—; Bloom, Arnold L.: Diagram useful in designing coatings (A), JOSA 64: 548  
Optical interference coating terminology (A), JOSA 66: 160  
—; Bloom, Arnold L.: Test for absorption at interfaces (A), JOSA 64: 1384
- Costley, A. E.**  
—; Hursey, K. H.; Neill, G. F.; Ward, J. M.: Free-standing fine-wire grids: their manufacture, performance, and use at millimeter and submillimeter wavelengths (E) (L), JOSA 67: 979
- Cotter, David**  
Conversion from 3371 to 1124 Å by nonresonant optical frequency tripling in compressed krypton gas (E), OL 4: 134
- Cottareau, M. J.** See Stepowski, D., AO 18: 354
- Couder, Y.** See Skolnick, M. S., JOSA 67: 947
- Coulombe, M. C.** See Jackson, D. A., JOSA 65: 464
- Coulombe, M. J.**  
—; Pine, A. S.: Linear scan control of tunable lasers using a scanning Fabry-Perot (E), AO 18: 1505
- Coulson, K. L.**  
—; Walraven, R. L.; Weigt, G. I.; Soohoo, L. B.: Photon-counting polarizing radiometer (E), AO 13: 497
- Council, Harold W.** See Buckner, James D., AO 13: 2061
- Counselman, C. C., III**  
Very-long-baseline interferometer applications to earth and planetary sciences (A), JOSA 64: 522
- Cournoyer, Robert F.** See Rhodes, M. B., JOSA 64: 1381  
—; Rhodes, M. B.: Holographic interferometric microscopy of crystalline materials (A), JOSA 64: 563
- Cour-Palais, B.** See Igenbergs, E. B., AO 14: 2542
- Courtney-Pratt, J. S.** See Schmidt, A. C., Jr., AO 14: 380  
High speed photography, 11th international, Congress, University of London, 15-21 Sep 1974 (M), AO 14: 557



- Coutts, Maurice D.** See Hoffman, Dorothy M., JOSA 66: 163
- Couture, Jean J. A.** See Lessard, Roger A., JOSA 65: 1219, JOSA 66: 1083
- ; Lessard, Roger A.: Diffraction efficiency of specular multiplexed holograms recorded on Kodak 649F plates (E), AO 18: 3652
- ; Lessard, Roger A.: Intermittent characteristic curves for Kodak 649F plates at 514.5 nm (E), AO 18: 3644
- Coveney, Raymond M., Jr.** See Holland, Wayne E., JOSA 65: 1170; Jordan, Ray E., Jr., JOSA 65: 1170; Querry, Marvin R., JOSA 64: 530, AO 17: 353
- Cover, Ralph A.**  
Absorption of focused light by spherical plasmas (T): comment (L), JOSA 69: 1186
- Covert, D. S.** See Charlson, Robert J., JOSA 67: 257; Weiss, R. E., JOSA 67: 260
- Cowan, J. D.** See Bergen, J. R., JOSA 69: 1580
- Cowan, James J.**  
Aberation-corrected gratings formed with optical guided modes and surface waves (A), JOSA 68: 1405  
Blazed and high line density holographic gratings produced by use of optical guided waves (A), JOSA 66: 1114  
Holography with optical guided waves (A), JOSA 66: 1062  
Holography with standing surface-plasma waves (A), JOSA 64: 257
- ; Anicin, B.: Longitudinal and transverse displacements of a bounded microwave beam at total internal reflection (TE), JOSA 67: 1307
- ; Anicin, B.: Microwave Goos-Haenchen effect (A), JOSA 64: 525  
Surface-plasma-wave holography in dielectric and photoresist layers (A), JOSA 64: 563
- Cowan, Robert D.** See Bromage, G. E., JOSA 68: 48; Burkhalter, P. G., JOSA 64: 1058, JOSA 67: 1521, JOSA 69: 1133
- ; Griffin, Donald C.: Approximate relativistic corrections to atomic radial wave functions (T), JOSA 66: 1010  
Atomic and Ionic Emission Lines below 2000 Angstroms: Hydrogen through Krypton. By Raymond L. Kelly and Louis J. Palumbo (B), JOSA 64: 1021
- ; Radziemski, Leon J., Jr.; Kaufman, Victor: Effect of continuum configuration interaction on the position of  $sp^6$  in neutral chlorine and other halogens (T), JOSA 64: 1474
- Tables of Spectral-Line Intensities, Part I—Arranged by Elements; Part II—Arranged by Wavelengths, Second Edition. By William F. Meggers, Charles H. Corliss, and Bourdon F. Scribner (B), JOSA 65: 1527
- ; Griffin, Donald C.: Theoretical calculation of atomic spin-orbit parameters (A), JOSA 64: 1370  
Theoretical calculation of spectra of highly ionized atoms (A), JOSA 66: 1060
- Cowley, John M.**  
Anomalous scattering, intercongress conference on, Madrid, 22-26 Apr 1974 (M), AO 13: 1735
- Cox, A. J.**  
—; Scott, Gary W.; Talley, Larry D.: Contacted modelocking-dye cell (E) (L), AO 17: 3706  
—; Scott, Gary W.: Short-cavity picosecond dye laser design (E), AO 18: 532
- Cox, D. M.** See Kaldor, Andrew, JOSA 68: 684
- Cox, Hollace L., Jr.**  
—; Chang, William S. C.: Use of optical waveguides for exposing mammalian cells to intense laser radiation (A), JOSA 68: 1383
- Cox, J. Thomas**  
—; Hass, Georg: Aluminum mirrors  $Al_2O_3$ -protected, with high reflectance at normal but greatly decreased reflectance at higher angles of incidence in the 8–12- $\mu$ m region (ET) (L), AO 17: 333  
—; Hass, Georg: Highly efficient reflection-type polarizers for 10.6- $\mu$ m  $CO_2$  laser radiation using aluminum oxide coated aluminum mirrors (TE) (L), AO 17: 1657  
—; Hass, Georg; Hunter, W. R.: Infrared reflectance of silicon oxide magnesium fluoride protected aluminum mirrors at various angles of incidence from 8  $\mu$ m to 12  $\mu$ m (T) (L), AO 14: 1247  
—; Hass, Georg: Protected Al mirrors with high reflectance in the 8–12- $\mu$ m region from normal to high angles of incidence (E) (L), AO 17: 2125
- ; Hass, Georg; Ramsey, J. B.; Hunter, W. R.: Reflectance and optical constants of evaporated ruthenium in the vacuum ultraviolet from 300 to 2000 Å (E), JOSA 64: 423
- Cox, Mary E.**  
—; Vahala, Kerry J.: Image plane holograms for holographic microscopy (E), AO 17: 1455
- Cox, S. K.** See Welch, R. M., AO 17: 3159
- Cox, Sue I.** See Growney, Ronald, JOSA 65: 1379
- Cox, W. D. G.**  
Choice of inks for printed anaglyphs (L), AO 16: 2586
- Cozannet, A.** See Bouillie, R., AO 13: 1045
- ; Treheux, M.: Skew rays in optical fibers (TE), AO 14: 1345
- Crabbe, I. A.** See Corcoran, Vincent J., AO 13: 1755
- Craford, M. G.** See Chang, M. S., AO 14: 1572
- Craig, J. M.** See Ewanizky, Theodore F., AO 15: 1465
- Craig, S.** See Allen, R. R., JOSA 68: 541
- Crane, Hewitt D.**  
—; Steele, C. M.: Accurate three-dimensional eyetracker (ET), AO 17: 691  
Binocular motor adjustments for far and near vision (A), JOSA 68: 1359  
Novel binocular three-dimensional eyetracker (A), JOSA 66: 1112
- ; Clark, Michael R.: Three-dimensional visual stimulus deflector (ET), AO 17: 706
- Crane, R. A.**  
Laser optoacoustic absorption spectra for various explosive vapors (E), AO 17: 2097
- Cranfill, B.**  
—; Farnum, E. H.; Lowe, A. T.; Miller, J. R.: Fabrication of complex cryogenic targets (A), JOSA 68: 550
- Crawford, Bryce, Jr.**  
—; Stickelmeyer, Mary; Fletcher, William H.: Raman and infrared studies toward liquid relaxation processes (A), JOSA 68: 1431
- Crawford, C. R.**  
—; Kak, A. C.: Aliasing artifacts in computerized tomography, AO 18: 3704
- Crawford, F. S.** See Buffington, Andrew, JOSA 67: 298, JOSA 67: 304; Pollaine, S., JOSA 68: 539, JOSA 69: 84
- Crawford, James R.**  
—; Benson, Robert: Holographic interferometry: identification of circuit board component failure (E) (L), AO 15: 24
- Crawford, L. G.** See Mack, M. E., JOSA 66: 1108
- Crawford, M. L. J.**  
—; Sperling, Harry G.: Threshold spectral sensitivity of single neurons and performing monkeys (A), JOSA 66: 1087
- Crenn, J. P.** See Bolland, P., AO 18: 1513; Veron, D., JOSA 67: 964
- Crewe, Albert V.**  
Interactions Between Electromagnetic Fields and Matter. By Karl-Heinz Steiner (B), AO 14: 788
- Crisp, Michael D.**  
Congressional fellowship experience (N), JOSA 68: 288  
One scientist's year on capitol hill (A), JOSA 67: 1413
- Crittenden, Eugene C., Jr.**  
—; Cooper, A. W.; Milne, E. A.; Rodeback, G. W.; Kalmbach, S. H.; Armstead, R. L.: Measured atmospheric MTF over the ocean, for visible to far IR (A), JOSA 68: 539  
Optical transmission in the atmosphere over the ocean (A), JOSA 68: 1366
- Crivos, Graciela S.** See De Mattiello, Maria L. F., JOSA 69: 1406
- Crockett, W. R.**  
—; Patterson, N. P.; Purcell, J. D.; Schumacher, R. J.; Tousey, Richard: NRL-ATM extreme ultraviolet solar image TV monitor flown on skylab (ET), AO 16: 893
- Cromer, C.** See Song, J. J., JOSA 69: 1476
- Crommelynck, D.**  
Calibration of radiation instruments for the measurement of the radiant flux of an arbitrary source (TE), AO 16: 302
- Cronin, David J.**  
—; Mirabito, Anthony F.: Design and testing of a pneumatic focus servo for a high-speed microdensitometer (A), JOSA 65: 1210  
—; DeVelis, John B.; Reynolds, George O.: Equivalence of annular source and dynamic coherent phase-contrast viewing systems (A), JOSA 65: 1167
- Crooks, W.** See Jacobs, J. T., JOSA 66: 381
- Crosignani, Bruno**  
—; Di Porto, Paolo; Solimeno, S.: Electromagnetic analysis of a laser resonator filled with a flowing medium (T) (L), AO 16: 2033
- ; Papas, Charles H.; Di Porto, Paolo: Modal dispersion in lightguides in the presence of strong coupling (T), JOSA 68: 1586
- ; Di Porto, Paolo; Daino, B.: Speckle-pattern visibility of light transmitted through a multimode optical fiber (TE) (L), JOSA 66: 1312
- ; Papas, Charles H.; Di Porto, Paolo: Temporal spreading of a pulse propagating in a two-mode optical fiber (T), JOSA 69: 1596
- ; Papas, Charles H.; Di Porto, Paolo: Theory of time-dependent propagation in multimode lightguides (T), JOSA 67: 1300
- Crosley, David R.** See Allen, John E., Jr., OL 1: 118
- Crosman, R.** See Larson, N. M., AO 13: 2662
- Cross, Edward F.** See Bendow, Bernard, AO 13: 729; Chodzko, R. A., AO 15: 2137; Kwok, M. A., JOSA 68: 655; Skolnik, Lyn H., AO 13: 726
- Cross, L. E.** See Bhalla, A. S., AO 17: 3339
- Cross, P. S.** See Schmidt, R. V., OL 2: 45
- ; Kogelnik, H.: Sidelobe suppression in corrugated-waveguide filters (T), OL 1: 43
- Crosswhite, Hannah.** See Crosswhite, Henry M., JOSA 68: 1446; Tomkins, Frank S., JOSA 66: 1068
- Crosswhite, Henry M.** See Fred, Mark S., AO 16: 3064; Tomkins, Frank S., JOSA 66: 1068
- ; Crosswhite, Hannah: Diamagnetic spectra of atomic lithium (A), JOSA 68: 1446  
Systematic parameters for lanthanide and actinide atomic configurations (A), JOSA 67: 1418
- Crothers, W. T.** See Linford, Gary J., JOSA 68: 548
- Crow, John D.** See Laff, Robert A., AO 17: 778
- ; Comerford, Liam D.; Laff, Robert A.; Brady, Michael J.; Harper, John S.: GaAs laser array source package (E), OL 1: 40
- ; Harper, J. S.; Comerford, Liam D.; Brady, Michael J.; Laff, Robert A.: GaAs laser source package for multichannel optical links (A), JOSA 67: 708
- ; Comerford, Liam D.; Harper, J. S.; Brady, Michael J.; Laff, Robert A.: Gallium arsenide laser-array-on-silicon package (E), AO 17: 479
- ; Borrelli, N. F.; Seward, T. P., III; Chodak, J. B.: Lightguiding in photochromic glasses (E), AO 14: 580  
Power handling capability of glass fiber lightguides (E) (L), AO 13: 467
- Crow, Thomas G.** See Kogan, Robert M., AO 17: 927
- Crowell, J. M.** See Salzman, G. C., JOSA 65: 1170, JOSA 66: 387
- Cruikshank, J. M.**  
Transversely excited atmospheric  $CO_2$  laser radar with heterodyne detection (ET), AO 18: 290
- Cruise, D. R.** See Fenneman, D. B., JOSA 65: 1300
- Crumbley, K. H.**  
—; Sentell, Ronald J.; Storey, Richard W., Jr.; Woods, D. C.: Spatial concentration of particulates from rocket exhaust ground clouds (A), JOSA 67: 256
- Cruz, Carlos H. Brito.** See Gerck, Edgardo, AO 18: 1341
- Csillag, L.** See Rozsa, K., JOSA 68: 717
- Csöke-Pöckh, A.**  
—; MacQueen, R. M.; Poland, A. I.: Measurement of stray radiance in the high altitude observatory's Skylab coronagraph (E), AO 16: 931  
Vignetting characteristics of an orbiting coronagraph (A), JOSA 64: 1358
- Csorba, Illes P.**  
Modulation transfer function of image tube lenses (TE), AO 16: 2647  
Recent advancements in the field of image intensification: the generation 3 wafer tube (TE), AO 18: 2440
- Cuadrado, J. Martinez.** See Gomex-Reino, C., AO 18: 3032
- Cubalchini, Ronald.** See Greenfield, Martin I., JOSA 69: 1454  
Modal wave-front estimation from phase derivative measurements (T), JOSA 69: 972
- Cuisenier, Maximilien.** See Chevillard, Jean-Pierre, AO 16: 1817



- Cummings, C. E.** See Day, R. D., JOSA 68: 543
- Cummings, J. C.** See Aeschliman, D. P., JOSA 67: 1397
- Cummins, Herman Z.**  
Laser Light Scattering. By Benjamin Chu (B), AO 14: 2801
- Cupp, R. E.** See Schwiesow, R. L., AO 15: 1, AO 16: 1145
- Curcio, J. A.** See Horton, R. F., JOSA 65: 1202; Trusty, Gary L., JOSA 68: 1358
- ; Hanley, S. T.; Horton, R. F.; Dowling, James A.: Spectral extinction measurements in hazy seacoast atmosphere (A), JOSA 68: 541
- Curl, Robert F.** See Gerhardt, H., JOSA 68: 626; Pollock, C. R., JOSA 69: 1463; Takagi, Kojiro, JOSA 64: 1388
- Curnutte, Basil.** See Gardner, R. K., JOSA 68: 830; Robertson, Charles W., JOSA 65: 432
- Currie, Douglas G.** See Frieden, B. Roy, JOSA 66: 1111; Liewer, Kurt M., JOSA 65: 1199
- Amplitude interferometry for high-angular-resolution astronomy (A), JOSA 65: 1199
- Curtis, L.** See Runge, P. K., JOSA 67: 708
- Curtis, L. J.**  
Convolution of a time-dependent driven excitation into the decay curve of an arbitrarily cascaded and blended level (T), JOSA 64: 495
- ; Erman, P.: Distortion effects in measurements of long optical lifetimes (TE), JOSA 67: 1218
- Curtiss, Lawrence E.**  
Future of endoscopy (A), JOSA 69: 1440
- Curzon, A. E.** See McMath, T. A., JOSA 67: 630
- Cusack, James W.**  
Extinction of DF laser radiation derived from atmospheric measurements (A), JOSA 64: 1391
- Cutchen, J. Thomas**  
—; Harris, James O., Jr.; Laguna, George R.: PLZT electrooptic shutters: applications (E), AO 14: 1866
- Cutten, D. R.**  
Rayleigh scattering coefficients for dry air, carbon dioxide, and Freon-12 (T) (L), AO 13: 468
- Cutter, M. A.**  
—; Key, P. Y.; Little, V. I.: Nature of transient light signal diffracted from optically etched gratings (E) (L), AO 15: 2954
- ; Key, P. Y.; Little, V. I.: Temporal development of optically etched gratings: a new method of investigating laser-induced damage (E), AO 13: 1399
- Cutting, R. D.**  
—; Stewart, I. McC.: Furnace temperature profiles: measurement by spectroscopic methods (TE), AO 14: 2707
- Cybulski, R. F., Jr.** See Carniglia, Charles K., JOSA 66: 1116
- ; Carniglia, Charles K.: Internal reflection from an exponential amplifying region (TE), JOSA 67: 1620
- Czerlinski, George**  
—; Brackova, Vera: Coaxial alignment of laser beams for perturbation experiments (E), AO 13: 1639
- Czuchlewski, S. J.** See Montgomery, M. D., JOSA 68: 543; Nowak, A. V., JOSA 68: 543
- ; Nowak, A. V.; Figueira, J. F.; Foley, Edward: Broadband gas isolator for high-power CO<sub>2</sub> lasers (E), OL 2: 39
- Czworniak, Kenneth J.**  
—; Jones, Dane R.: Effect of a finite collection aperture on autocorrelation light-scattering spectroscopy (TE), JOSA 64: 86
- Da Costa, German**  
Analysis of dynamic phenomena by speckle techniques (A), JOSA 66: 1085
- Incoherent holographic record of a nonlinear source (E), JOSA 67: 4
- ; Guerri, G.; Tani, J.: Procédé de mesure interférométrique utilisant le speckle et son application à l'instrumentation pétrolière (ET), AO 16: 1754
- ; Rebagliati, R.; Jimenez; Toni, J. E.: Reference speckle superposition technique applied to transient phenomena analysis (E) (L), AO 15: 316
- ; Calatroni, J. A. E.: Self-holograms of laser-drilled holes in heavy hydrocarbons (A), JOSA 67: 1443
- ; Calatroni, J. A. E.: Self-holograms of laser-induced surface depressions in heavy hydrocarbons (ET), AO 17: 2381
- ; Guerri, G.: Statistical distribution of the phase in noncircular Gaussian speckle patterns (A), JOSA 67: 1389
- ; Guerri, G.: Statistical distribution of the phase in noncircular Gaussian speckle patterns (T) (L), JOSA 68: 866
- ; Calatroni, J. A. E.: Transient deformation of liquid surfaces by laser-induced thermocapillarity (T), AO 18: 233
- Daehler, Mark.** See Fonck, R. J., AO 17: 1739; McNutt, D. P., AO 14: 1116
- ; Ade, Peter A. R.: Michelson interferometer with frustrated-total-internal-reflection beam splitter (TE), JOSA 65: 124
- Daehne, S.**  
—; Heumann, E.; Kapp, I.; Triebel, W.; Wilhelmi, B.: Picoscend spectroscopy of concentration dependent relaxation processes in solutions (A), JOSA 68: 683
- Daendliker, Rene**  
—; Eliasson, B.; Mottier, Francois M.; Ineichen, B.: Accurate determination of the change of curvature (bending) of a surface through holographic interferometry (A), JOSA 64: 1381
- Application of generalized phase control during reconstruction to flow visualization holography: comments (E) (L), AO 18: 2538
- ; Iten, P. D.: Direction sensitive laser Doppler velocimeter with polarized beams (E), AO 13: 286
- ; Ineichen, B.; Mottier, Francois M.: Hints and tricks in holographic heterodyne interferometry (A), JOSA 65: 1223
- Holographic strain analysis: extension of fringe-vector method to include perspective (errata), AO 15: 1905
- ; Marom, Emanuel; Mottier, Francois M.: Two-reference-beam holographic interferometry (TE), JOSA 66: 23
- Dahl, E. D.** See Stickel, R. E., Jr., AO 17: 2270
- Dahlbacka, Jarl.** See Lindblom, Peter, AO 17: 2934
- ; Lindblom, Peter: Off-plane stigmatic imaging with spherical concave gratings: experimental verification (E) (L), AO 16: 288
- Dai, Hai Lung.** See Kung, A. H., JOSA 68: 639
- Daido, Y.**  
—; Miyauchi, E.; Iwama, T.; Otsuka, T.: Determination of modal power distribution in graded-index optical waveguides from near-field patterns and its application to differential mode attenuation measurement (TE), AO 18: 2207
- Daily, John W.**  
Coherent optical transient spectroscopy in flames (TE), AO 18: 360
- Detectability limit and uncertainty considerations for laser induced fluorescence spectroscopy in flames (TE), AO 17: 1610
- Laser and Coherence Spectroscopy. Edited by Jeffery I. Steinfeld (B), AO 17: 3855
- Pulsed resonance spectroscopy applied to turbulent combustion flows (TE), AO 15: 955
- Saturation effects in laser induced fluorescence spectroscopy (T), AO 16: 568
- Saturation of fluorescence in flames with a Gaussian laser beam (T), AO 17: 225
- Use of rate equations to describe laser excitation in flames (T), AO 16: 2322
- Daino, B.** See Crosignani, Bruno, JOSA 66: 1312; Galeotti, M., AO 16: 660
- ; Galeotti, M.; Sette, Daniele: Error probability deterioration causes: effect on the confidence level of atmospheric laser links; entropy of an atmospheric path (T) (L), AO 16: 283
- Dainty, J. Christopher.** See Beddoes, D. R., JOSA 66: 1247; JOSA 66: 181
- Computer Techniques for Image Processing in Electron Microscopy. By W. O. Saxton (B), JOSA 69: 921
- ; Greenaway, A. H.: Estimation of spatial power spectra in speckle interferometry (T), JOSA 69: 786
- ; Hennings, D.: Non-Gaussian image plane speckle (A), JOSA 69: 1422
- ; O'Donnell, K. A.: Space-time analysis in stellar speckle interferometry (A), JOSA 69: 1441
- Statistics of normal and anomalous speckle patterns (A), JOSA 65: 1190
- Dakhil, M.**  
—; Kielkopf, John F.: Observation of collision-induced 6s-ns transitions in the presence of xenon (E) (L), JOSA 67: 844
- Dalgoutte, David G.** See Mitchell, Gordon L., JOSA 66: 289
- ; Achutaramayya, G.; Harris, J. H.: Externally mounted fibers for integrated optics (A), JOSA 64: 1366
- ; Achutaramayya, G.; Harris, J. H.; Smith, Robert B.: Externally mounted fibers for integrated optics interconnections, AO 14: 1860
- ; Wilkinson, C. D. W.: Thin grating couplers for integrated optics: an experimental and theoretical study (ET), AO 14: 2983
- Dallarosa, J. L.** See Brillet, Alain, JOSA 68: 635
- Dallas, W. J.** See Almeida, Silverio P., AO 18: 4025; Case, Steven K., JOSA 67: 1382, AO 17: 2537; Fournier, J. M., JOSA 67: 1382
- Image complex amplitude from image and pupil irradiances (A), JOSA 65: 1203
- Magnitude-coupled phase quantization (ET), AO 13: 2274
- ; Linde, R.; Weiss, H.: Simplified production of spatial inverse filters (TE), OL 3: 247
- Dalmayrac, C.** See Auric, D., JOSA 68: 542
- Dalton, W. A. J.** See Wilhelmi, G. J., AO 15: 1837
- Daly, J. C.** See Sirois, Gilbert A., JOSA 69: 1400
- Solar concentrator evaluation technique (A), JOSA 68: 1374
- Solar concentrator flux distributions using backward ray tracing (T), AO 18: 2696
- Solar energy collection using beam waveguides (T) (L), AO 15: 855
- Daly, P. J.** See LoVecchio, P., AO 18: 2598
- Damany, H.** See Boursey, E., AO 13: 589
- Dambier, G.** See Langlet, A., AO 16: 1841
- Damen, T. C.** See Chang, T. Y., JOSA 68: 669; Kang, M. H., JOSA 68: 706
- Dameron, D.**  
—; Vest, C. M.: Fringe sharpening and diffraction in nonlinear two-exposure holographic interferometry (TE) (L), JOSA 66: 1418
- Dammann, H.**  
Color separation gratings (TE), AO 17: 2273
- Damon, E. K.** See Nordstrom, R. J., AO 17: 2724; Peterson, J. C., JOSA 66: 1072, AO 18: 834
- Daneu, V.** See Cali, C., AO 15: 1327
- ; Sanchez, A.: Measuring the refractive index and thickness of thin transparent films: method (ET), AO 13: 122
- Optical thickness monitor for thin film deposition (ET), AO 14: 962
- Dangschat, H.** See Braeuninger, H., AO 18: 3502
- Daniel, I. M.** See Hung, Y. Y., AO 14: 618
- Danielewicz, Edward J.**  
—; Coleman, Paul D.: Far infrared guided wave optics experiments in anisotropic crystal quartz waveguides (A), JOSA 66: 288
- ; Coleman, Paul D.: Far infrared optical properties of selenium and cadmium telluride (E), AO 13: 1164
- ; Galantowicz, T. A.; Foote, F. B.; Reel, R. D.; Hodges, D. T.: High performance at new FIR wavelengths from optically pumped CH<sub>2</sub>F<sub>2</sub> (E), OL 4: 280
- ; Coleman, Paul D.: Hybrid metal mesh-dielectric mirrors for optically pumped far infrared lasers (E), AO 15: 761
- Danielmeyer, H. G.** See Huber, G., JOSA 68: 631
- Danielson, B. L.**  
Multimode optical fiber interferometer (A), JOSA 68: 1384
- Optical fiber phase discriminator (ET), AO 17: 3665
- Danielson, P. S.** See Ma, D. S., JOSA 67: 254
- Danly, B. G.** See Biron, D. G., OL 4: 381
- Danos, Michael**  
L'Univers Objectif; Theorie Unitaire. Par Jean Loiseau (B), AO 16: 6
- Dantz, Karl.** See Nagel, Max R., AO 13: 1946
- Danylewych-May, L. L.**  
—; Nicholls, Ralph W.: Absolute transition probability data for the CN violet band system (A), JOSA 67: 1432
- Dardy, H. D.** See Bucaro, J. A., AO 16: 1761; Day, Donald K., JOSA 67: 1410
- Darnell, R. J.** See Bottema, M., JOSA 68: 1374
- Das, P.** See Ayub, F. Mohammed, JOSA 67: 1444; Kramer, Charles J., JOSA 66: 385; Pearce, L. G., JOSA 65: 1165; Schumer, D., JOSA 65: 1165
- ; Ayub, F. Mohammed; Sanford, Norman A.: Surface acousto-optical correlators (A), JOSA 69: 1483
- Das, Palash P.** See Devi, V. Malathy, AO 18: 2918; Rao, K. Narahari, JOSA 69: 1480



- Dashiell, Stephen R.**  
 → Sawchuk, Alexander A.: Nonlinear optical processing: analysis and synthesis (TE), AO 16: 1009  
 → Sawchuk, Alexander A.: Nonlinear optical processing: effects of input medium and precompensation (TE), AO 16: 2279  
 → Sawchuk, Alexander A.: Nonlinear optical processing: nonmonotonic half-tone cells and phase half-tones (TE), AO 16: 1936  
 → Sawchuk, Alexander A.: Optical synthesis of nonlinear nonmonotonic functions (A), JOSA 65: 1177  
 → Sawchuk, Alexander A.: Synthesis of nonlinear nonmonotonic functions in optical image processing (A), JOSA 66: 170
- da Silva, Anibal J.** See Holt, Alan C., AO 16: 950
- DaSilva, E.**  
 → Hayat, Gilbert S.: New instrumentation for Raman spectroscopy (A), JOSA 66: 1106
- D'Astous, Y.** See Blanchard, M., JOSA 68: 1389
- Datta, A. K.** See Kumar, Vijay, AO 18: 1414
- Som, S. C.: Numerical study of scattered electromagnetic field inside a hollow dielectric cylinder. 2: Scattering of two phase-matched beams (T), AO 14: 1524  
 → Som, S. C.: Numerical study of the scattered electromagnetic field inside a hollow dielectric cylinder. 1: Scattering of a single beam (T), AO 14: 1516
- Datta, P. K.** See Nijhawan, O. P., AO 14: 509
- Dauger, Alan B.** See Meier, Rudolf H., AO 17: 3541, AO 17: 3547
- Daugherty, J. D.** See Pugh, E. R., AO 13: 2512
- Daugman, John G.** See Mansfield, R. J. W., JOSA 68: 1419
- d'Auria, L.**  
 → Huignard, J. P.; Slezak, C.; Spitz, E.: Experimental holographic read-write memory using 3-D storage (E), AO 13: 808
- Daussey, Helene**  
 → Dumanchin, Roger; de Witte, Olivier: Fabry-Perot with short pulse lasers: spectral selection and spectral analysis in dye lasers (TE), AO 17: 451
- Daut, D. G.** See Modestino, J. W., JOSA 69: 897
- Davarpanah, M.** See Bell, Robert J., AO 14: 1322, AO 14: 1579; Goben, C. A., AO 13: 2757, AO 14: 1481; Singh, A. K., AO 17: 3459  
 → Goben, C. A.; Begley, D. L.; Griffith, S. L.: Surface electromagnetic wave coupling efficiencies for several excitation techniques (E), AO 15: 3066
- David, R.** See Miron, E., JOSA 69: 256
- Davidson, F.** See Chao, C. M., JOSA 64: 1402; Gonzalez-del-Valle, A., JOSA 65: 1218  
 → Iyer, Ramakrishna S.: Estimation of optical field mean intensities from photocount correlations (ET), AO 13: 2171  
 → Gonzalez-del-Valle, A.: Measurements of three-parameter log-normally distributed optical-field irradiance fluctuations in a turbulent medium (TE), JOSA 65: 655
- Davidson, Hugh R.**  
 Preparation of the OSA uniform color scales committee samples (E) (L), JOSA 68: 1141
- Davidson, Joseph**  
 → Wells, Daniel R.; Phadke, Laxman G.; Hirschberg, Joseph G.; Tunstall, Jack; Ziajka, Paul E.: Simultaneous electron density and ion temperature measurements of a moderately dense plasma using Doppler and Stark broadened He II lines (E) (L), AO 17: 1481
- Davidson, K. L.** See Houlihan, T., JOSA 68: 539; Schacher, G., JOSA 68: 539  
 → Houlihan, T.; Schacher, G.; Fairall, C. W.: Examination of scaling laws for  $C_T^2$  in the layer adjacent to ocean waves (A), JOSA 68: 539
- Davidson, R. S.** See Duncan, Donald D., JOSA 64: 560
- Davies, Brian.** See Pollakoff, Martyn, JOSA 68: 593
- Davies, D. E. N.** See Kingsley, S. A., JOSA 66: 382
- Davies, D. W.**  
 Multiplexing infrared camera (A), JOSA 64: 1360  
 Spatially multiplexed infrared camera (TE), JOSA 65: 707
- Davies, Kirk E.** See Mooradian, Gregory C., JOSA 66: 389
- Davies, P. H.** See Taylor, M. J., AO 17: 885
- Davies, R. D.** See Jansson, Peter A., JOSA 64: 1372
- Davies, Terence J.**  
 → Nelson, Melvin A.: Optical sampling transient analyzer system (E), AO 15: 1404
- Davila, Alberto Cordero.** See Cordero-Davila, Alberto
- Davis, C. R.** See Jones, A. R., AO 17: 328
- Davis, Christopher C.**  
 Single-photon optical heterodyning (A), JOSA 68: 1637
- Davis, D. D.** See Rodgers, M. O., JOSA 69: 1407
- Davis, D. S.**  
 → Verges, J.; Andrew, Kenneth L.: Infrared emission spectrum of neutral vanadium (V I) (E), JOSA 68: 235  
 → Andrew, Kenneth L.: Remeasurement of the photographic emission spectrum of neutral vanadium (V I) (E), JOSA 68: 206
- Davis, J.**  
 → Whitney, K. G.; Apruzese, J. P.: Temperature and density diagnostics for spherical shells of laser-generated plasmas (A), JOSA 68: 547
- Davis, Jack W.** See Eckbreth, Alan C., AO 16: 804
- Davis, Jeffrey.** See Li, Chun-Pang, AO 18: 3541
- Davis, Kim I.** See Gassend, Max L. A., JOSA 66: 384
- Davis, L. E.**  
 Nonoptical methods of determining the chemical composition of multilayers (A), JOSA 66: 164
- Davis, Nancy H.**  
 → Fritz, Teresa A.: Application of Zernike polynomials to reduction of wave front slope data (A), JOSA 69: 1407
- Davis, S. J.**  
 Dye laser pumped atomic iodine laser (A), JOSA 68: 670  
 → Murray, J. E.; Downs, D. C.; Lowdermilk, W. H.: High performance avalanche transistor switchout for external pulse selection at 1.06  $\mu\text{m}$  (E), AO 17: 3184
- Davis, Sumner P.** See Feinberg, Jack, JOSA 66: 1071; Galehouse, Daniel C., JOSA 66: 1093; Hammer, Philip D., JOSA 68: 1401; Lulu, Bruce, JOSA 68: 1446; Van Deurzen, Cornelius H. H., JOSA 64: 498  
 Identification of Molecular Spectra. By R. W. B. Pearse and A. G. Gaydon (B), JOSA 67: 1129  
 → King, W. H.: Spectrum of quintuply ionized manganese (Mn VI) (A), JOSA 64: 1371
- Davis, W. C.** See Hayes, C. L., AO 18: 4106, JOSA 67: 269
- Davison, James W.** See Hass, Marvin, AO 14: 1128, JOSA 67: 622
- Davy, J. R.**  
 Infrared physics, international conference, ETH Zurich, 11-15 Aug 1975 (M), AO 14: 2781
- Davydov, B. L.** See Grigoryants, V. V., JOSA 67: 709
- Dawson, J. F.** See Wright, J. J., JOSA 64: 250
- Dawson, R. W.**  
 Pulse widening in a multimode optical fiber excited by a pulsed GaAs LED (E), AO 13: 264
- Dawson, William W.** See Barris, Michael C., JOSA 68: 1380, JOSA 69: 1477; Trick, Gary L., JOSA 69: 1486  
 Visual strategies in marine forms—marine mammals (A), JOSA 67: 1388
- Day, Donald K.**  
 → Bucaro, J. A.; Dardy, H. D.: Brillouin scattering in inorganic glasses (A), JOSA 67: 1410
- Day, Gordon W.** See Franzen, Douglas L., JOSA 69: 1448; Hamilton, Clark A., JOSA 65: 1178  
 Applied Nonlinear Optics. By Frits Zernike and John E. Midwinter (B), JOSA 64: 1151  
 → Hamilton, Clark A.; Pyatt, K. W.: Spectral reference detector for the visible to 12- $\mu\text{m}$  region; convenient, spectrally flat (E), AO 15: 1865
- Day, Kenrick L.** See Steyer, T. R., AO 13: 1586
- Day, P.**  
 → Krausz, E. R.; Viney, S.: Optical properties of metamagnets (A), JOSA 65: 1168
- Day, R. D.** See Miller, J. R., JOSA 68: 550  
 → Cummings, C. E.: LASL eight-beam laser target insertion system (A), JOSA 68: 543
- Day, Robert H.** See Benjamin, Robert F., AO 16: 393; Stupin, D. M., JOSA 68: 545; Whitman, R. L., JOSA 68: 545, AO 18: 1266
- DeAcetis, Louis A.** See Einstein, F. S., JOSA 69: 24  
 → Lazar, Irving: Approximate solution to far-field diffraction by a semi-infinite plane of variable thickness (TE) (L), JOSA 64: 106  
 → Einstein, F. S.; Juliano, R. A., Jr.; Lazar, Irving: Single strip diffraction: comparison of Kirchhoff theory and geometrical theory with the exact solution in the limit of small glancing angle and width; perpendicular polarization (T), AO 15: 2866
- Deacon, D. A. G.**  
 → Elias, L. R.; Madey, J. M. J.; Schwettman, H.; Smith, T. I.: Development of the free-electron laser (A), JOSA 67: 1369
- Dearborn, Frank K.** See Miranda, Henry A., Jr., JOSA 67: 256
- DeBell, Arthur G.** See Bartell, Frederick O., JOSA 66: 1097, JOSA 67: 252; Selvarajan, A., JOSA 68: 1366, AO 18: 3116; Thompson, Christopher J. C., JOSA 68: 1397, AO 18: 2085  
 → Dereniak, E. L.; Harvey, J. E.; Nissley, J.; Palmer, James; Selvarajan, A.; Wolfe, William L.: Cryogenic refractive indices and temperature coefficients of cadmium telluride from 20 to 300 K (A), JOSA 68: 1397  
 → Dereniak, E. L.; Harvey, J. E.; Nissley, J.; Palmer, James; Selvarajan, A.; Wolfe, William L.: Cryogenic refractive indices and temperature coefficients of cadmium telluride from 6  $\mu\text{m}$  to 22  $\mu\text{m}$  (E), AO 18: 3114
- DeBell, M. A.**  
 → Harvey, J. E.: Recent developments in surface-scatter studies (A), JOSA 64: 1404
- De Biase, Giuseppe A.**  
 → Rusconi, Luigia; Sedmak, Giorgio: Adaptive control improves scanning spectrophotometers (T) (L), AO 15: 1901  
 → Sacchetti, F.; Treves, D.: Scanning and restoration of spectral data in the presence of noise (T), JOSA 64: 335  
 → Paterno, Lucio; Pucillo, Mauro; Sedmak, Giorgio: URSULA: a twin-beam multiband computer-controlled photometer for astronomical applications (E), AO 17: 435
- de Boer, J. H.** See Koennen, G. P., AO 18: 1961
- DeCarlo, J.** See Pernick, B. J., AO 16: 137
- de Castro, A. R. B.** See Chen, C. K., OL 4: 393
- Decker, Arthur J.**  
 → Pao, Yoh-Han; Claspay, P. C.: Electronic heterodyne recording and processing of optical holograms using phase modulated reference waves (T), AO 17: 917  
 Pulse modulation effect on velocity fringes (T) (L), AO 14: 1061
- Decker, D. L.** See Bennett, H. E., JOSA 67: 254
- Decker, John A., Jr.** See Swift, Roderick D., AO 15: 1595  
 Fourier transform vs Hadamard transform spectroscopy: comments on (R), AO 13: 1296  
 Multiplexed dispersive spectrometers using reduced background infrared detectors: comment 1 (T) (L), AO 14: 810  
 Synthetic-aperture radar and multiplex spectroscopy (L), JOSA 64: 1343
- Deckers, Christian**  
 → Boivin, Alberic: Object luminance reconstruction through sampling of the complex degree of coherence in the far field (A), JOSA 69: 1485
- Deckman, H. W.**  
 → Halpern, Gerald M.: Analysis of the gaseous content of microballoon laser fusion targets (A), JOSA 68: 544  
 → Halpern, Gerald M.: Characterization of the fuel content of D-T filled laser fusion microballoon targets (A), JOSA 68: 544  
 → Drummeller, J.; Rizzo, J.: Laser drilling with 80-ps pulse lengths (A), JOSA 69: 1468  
 → Black, D.: Microdensitometry using backscattered electrons (A), JOSA 69: 1434  
 → Dunsmuir, J. H.: Monochromatic soft-x-ray source for contact microradiography (A), JOSA 69: 1445
- DeCou, Anthony B.**  
 Interferometric star tracking (T), AO 13: 414
- Deen, Lewis M.**  
 → Hagler, Marion O.; Walkup, John F.: Multi-element optical-system representation using holographic techniques (A), JOSA 64: 1396  
 → Walkup, John F.; Hagler, Marion O.: Representations of space-variant optical systems using volume holograms (TE), AO 14: 2438
- Deepak, Adarsh.** See Box, Michael A., JOSA 67: 1370, AO 17: 3794, AO 18: 1376, AO 18: 1941; Farrukh, Usamah O., JOSA 69: 1412; Yue, Glenn K., AO 18: 3918  
 Analytical modeling of aerosol size distributions (A), JOSA 67: 259  
 → Box, Gail P.: Analytic modeling of aerosol size distributions (A), JOSA 67: 1370  
 → Fluellen, Alexander H.: Comparative studies of Conroy and Monte Carlo methods in multiple scattering problems (A), JOSA 67: 1377



- ; Box, Michael A.; Twitty, J. T.; Adams, Richard R.: Comparison between photographic and photoelectric measurements of the solar aureole almucantar radiance (E) (L), AO 17: 1977
- Computer modeling of laser Doppler velocimeters (LDV) systems and the performance of CO<sub>2</sub>-LDV in fogs and comparison with experimental results (A), JOSA 64: 539
- ; Box, Michael A.; Adams, Richard R.: Determination of aerosol characteristics by the photographic solar aureole isophote (PSAI) method (A), JOSA 67: 1370
- ; Adams, Richard R.: Determination of the off-axis illumination distribution for a lens-spectral filter combination (E), AO 18: 131
- ; Yue, Glenn K.: Effects of aerosol microphysical processes on visible/infrared laser beam propagation through aerosols (A), JOSA 69: 1413
- ; Vaughan, O. H.: Extinction-sedimentation inversion technique for measuring size distribution of artificial fogs (ET), AO 17: 374
- ; Box, Michael A.: Forwardscattering corrections for optical extinction measurements in aerosol media. 1: Monodispersions (T), AO 17: 2900
- ; Box, Michael A.: Forwardscattering corrections for optical extinction measurements in aerosol media. 2: Polydispersions, AO 17: 3169
- Laser beam broadening in aerosol media (A), JOSA 67: 260
- Photogrammetry of the solar aureole (T), AO 17: 1120
- Deever, W. Thomas**
- Testing of commercial aspheres with computer-generated holography (A), JOSA 65: 1216
- Degani, J.** See Yatsiv, S., JOSA 68: 718
- Degenkolb, E. O.**
- ; Griffiths, J. E.: Electron density, temperature, and local thermodynamic equilibrium in low-voltage low-current break arcs: magnesium (ET), JOSA 67: 1235
- ; Griffiths, J. E.: Temperature of the Meggers-Corliss-Scribner copper arc (ET), JOSA 65: 315
- Degnan, John J.** See Klein, Bernard J., AO 13: 2134, AO 15: 977
- Minimization of the prime power consumption of a coupling-modulated gas laser transmitter (T), AO 13: 2489
- ; Klein, Bernard J.: Optical antenna gain. 2: Receiving antennas (T), AO 13: 2397
- ; Klein, Bernard J.: Optical antenna gain. 2: Receiving antennas (T) (errata), AO 13: 2762
- DeGroot, A. J.** See Smith, W. Lee, AO 17: 3938
- Dehmelt, H.** See Neuhauser, W., JOSA 68: 623
- Deirmendjian, D.**
- Archimedes's burning glass (L), AO 13: 452
- Deitch, R. H.**
- ; West, E. J.; Giallorenzi, Thomas G.; Weller, J. F.: Sputtered thin films for integrated optics (E) (L), AO 13: 712
- Deitz, Paul H.**
- Image information by means of speckle-pattern processing (TE), JOSA 65: 279
- ; Durfee, Gary L.; Wolff, Stephen S.: New class of optical communication systems (A), JOSA 66: 178
- ; Carlson, F. Paul: Spatial irradiance interferometry with sources of arbitrary symmetry, JOSA 64: 11
- de Jong, J.** See Handoyo, Andrianto, AO 16: 546
- Deka, B. K.**
- ; Dyer, P. E.; Perera, I. K.: High-power tuned TEA CO<sub>2</sub> laser using a three-mirror confocal unstable resonator (E) (L), AO 18: 3722
- Deka, Mitrajyoti**
- ; Fujii, Hitoshi; Almeida, Silverio P.: Measurement of correlation length using dichromatic speckle (A), JOSA 69: 1423
- Dekkers, N. H.** See de Lang, H., AO 17: 328
- Dekkers, N. H.** See de Lang, H., AO 16: 2215
- de Korte, P. A. J.**
- ; Laine, R.: Assessment of surface roughness by x-ray scattering and differential interference contrast microscopy (ET), AO 18: 236
- Delage, C.** See Langlet, A., AO 16: 1841
- Delahoy, A. E.** See Anderson, W. A., AO 15: 1821
- Delamere, W. A.** See Patterson, N. P., AO 16: 922
- de Lang, H.**
- ; Dekkers, N. H.: Microscope adapted for the generation of various contrast types: theory and experiment (TE), AO 16: 2215
- ; Dekkers, N. H.: Microscope adapted for the generation of various contrast types: theory and experiment (errata), AO 17: 328
- Delano, Erwin**
- Flat-field telescopes using two curved Fresnel mirrors (A), JOSA 69: 1439
- Primary aberration contributions for curved Fresnel surfaces (T), JOSA 68: 1306
- Primary aberrations of Fresnel lenses (T), JOSA 64: 459
- Primary aberrations of meniscus Fresnel lenses (T), JOSA 66: 1317
- Stigmats using two curved Fresnel surfaces (T), AO 18: 4187
- De La Rue, R. M.** See Pelosi, P. M., AO 17: 1187; Stewart, G., JOSA 66: 292
- Delderfield, J.** See Taylor, F. W., AO 18: 3893
- de Leffe, A.** See Tanre, D., AO 18: 3587
- Delettrez, J.** See Skupsky, Stanley, JOSA 68: 549
- DelGaudio, A. M.** See Bloom, David M., OL 4: 297; Mollenauer, L. F., OL 3: 48
- Delisle, Claude.** See Boudreau, J. P., JOSA 67: 1367; Chrostowski, Jacek, AO 18: 2358; Cielo, Paolo, JOSA 66: 1111, AO 14: 562; Girard, Andre, AO 18: 1295
- ; Cielo, Paolo: Multiplexing with a white light interferometric communication system (A), JOSA 66: 1131
- Delisle, P.** See Cielo, C., AO 16: 1141
- deLoach, A. C.** See Underwood, J. H., AO 16: 858
- De Loach, B. C., Jr.**
- Lasers for fiber optics (A), JOSA 66: 391
- del Rio, C. Sanchez.** See Jimenez, E., JOSA 64: 1009
- DeLuisi, John J.**
- ; Schuster, Burton G.; Sato, R. K.: Separation of dust and molecular scattering contributions to the lidar observation: a method (T), AO 14: 1917
- Shortened version of the Umkehr method for observing the vertical distribution of ozone (T), AO 18: 3190
- Delville, J. P.** See Schnopper, H. W., AO 16: 1088
- De Maria, Anthony J.** See Pole, Robert V., AO 14: 569
- Carbon Dioxide Lasers: Effects and Applications, Quantum Electronics—Principles and Applications. By W. W. Duley (B), JOSA 67: 983
- CLEA 1975 (R), AO 15: 1383
- Electronic Transition Lasers II, Proceedings of the Third Summer Colloquium on Electronic Transition Lasers held at Snowmass Village, Colorado, September 7 through 10, 1976. Edited by Leory E. Wilson, Steven N. Suchard, and Jeffrey I. Steinfeld (B), JOSA 68: 1285
- DeMartini, F.**
- ; Palange, E.; Ristori, P.; Santamato, E.; Venza, A.; Zammitt, A.; Shen, Y. R.: Optical mixing of surface plasmons (A), JOSA 68: 662
- De Martino, Antonello.** See Frey, Robert, JOSA 68: 637
- Demas, J.** See Zalewski, Edward F., JOSA 66: 1080
- de Mattiello, Maria L. F.** See Guirao, Miguelina, JOSA 66: 1104, JOSA 67: 647
- ; Guirao, Miguelina: Convergence of saturation functions of surface colors (A), JOSA 65: 1194
- ; Arizaga, Ricardo: Delimitation of saturation in CIE system (A), JOSA 68: 1400
- ; Guirao, Miguelina: Direct estimation of lightness of surface colors (E), JOSA 64: 206
- ; Crivos, Graciela S.: Equal lightness contours for surface colors (A), JOSA 69: 1406
- DeMeester, G. D.** See Barrett, Harrison H., AO 13: 1100
- Demers, Y.** See Gagne, Jean-Marie, AO 18: 2107
- Demetrakopoulos, T. H.**
- ; Mittra, Raj: Digital and optical reconstruction of images from suboptical diffraction patterns (TE), AO 13: 665
- De Michelis, C.** See Breton, C., JOSA 69: 1652
- Demner, Y.**
- ; Shamir, Joseph: Weakly absorbing layers: interferometric determination of their optical parameters (ET), AO 17: 3738
- De Mol, C.** See Bertero, M., OL 3: 51
- Dentroeder, W.** See Kowalski, F. V., JOSA 68: 1611
- Denault, G. C.** See Spencer, D. J., AO 13: 2855
- den Engelsen, Daan**
- Ellipsometry of spread monomolecular layers (A), JOSA 64: 548
- deNeufville, John P.**
- Amorphous materials symposium, Boston, Oct 1973 (M), AO 13: 703
- Denham, R. O.** See Jones, A. R., AO 17: 328
- Denhoy, B. S.** See Frank, A. M., AO 16: 1243
- Dennison, R. L.** See Strehlow, W. H., JOSA 64: 543
- Dente, Gregory C.**
- Polarization effects in resonators (T) (L), AO 18: 2911
- Denti, P.** See Borghese, F., AO 18: 116
- Denton, Richard A.**
- Metallized use in buildings (L), AO 13: 5A16
- DePalma, J. J.** See Gasper, John, JOSA 64: 549
- Depatie, David**
- ; Hauelsen, Donald C.: Phase conjugation by fourwave mixing in molecular gases (A), JOSA 69: 372
- Derbez, G.**
- ; Petrakian, J. P.: Variations energetiques de l'absorption optique du lanthane et du praseodyme pris en couches minces (E), AO 13: 599
- Dereniak, E. L.** See DeBell, Arthur G., JOSA 68: 1397, AO 18: 3114
- Derksema, B. J.** See Dil, Jan G., JOSA 69: 1473
- Derosier, R. M.** See Tynes, A. R., JOSA 69: 1587
- Derr, Vernon E.** See Ornstein, Michael H., AO 13: 2100, JOSA 66: 233; Slusher, R. B., AO 14: 2116
- Propagation of Visible and Infrared Radiation in the Atmosphere. By V. E. Zuev (B), AO 14: 1238
- Remote sensing of the troposphere by active optical techniques (A), JOSA 64: 550
- Derzko, Z. I.** See Bruce, Charles W., AO 15: 2970; Wesely, M. L., AO 14: 847
- Desai, J. N.**
- ; Anand Rao, B. G.; Raghav Rao, R.: Photometer for detection of lithium release in daytime (E) (L), AO 18: 420
- Desai, R. V.** See Mehta, R. V., JOSA 64: 1398; Shah, H. S., AO 18: 4173
- De Santis, P.**
- ; Gori, F.; Guattari, G.; Palma, C.: Modulation contrast and coherence theory (T), AO 15: 2385
- Desaulniers, D. L.** See Aitken, G. J. M., JOSA 67: 843
- Deschamps, P. Y.** See Tanre, D., AO 18: 3587
- DeShazer, L. G.** See Lomheim, T. S., JOSA 68: 1388, JOSA 68: 1575; Tucker, Armin W., JOSA 65: 1207; Wang, H. L., JOSA 64: 1383; Wunderlich, J. A., AO 16: 1584; Yaney, Perry Pappas, JOSA 66: 1108, JOSA 66: 1405
- Desjardins, J. S.**
- Time-dependent geometrical optics (T), JOSA 66: 1042
- Deslattes, Richard D.** See Layer, Howard P., JOSA 64: 1387, AO 15: 734
- Molecular iodine frequency markers for dye-laser spectroscopy (A), JOSA 64: 1380
- De Smet, D. J.**
- Application of generalized ellipsometry to anisotropic crystals (T) (L), JOSA 65: 461
- Ellipsometry of a biaxial surface (TE), JOSA 65: 542
- Ellipsometry of anisotropic thin films (T), JOSA 64: 631
- Desormiere, B.** See Hepner, G., AO 13: 2007, AO 14: 1479, AO 15: 1683
- De Souza, Antonio Lopes.** See Shi, Nai K., JOSA 68: 1415
- Desrousseaux, G.** See Carlan, A., JOSA 68: 1019
- De Temple, T. A.** See Lee, S. H., OL 4: 6; Plant, T. K., JOSA 66: 386
- Detenbeck, Robert W.** See Coakley, Robert W., JOSA 65: 6
- Detle, T. A.** See Rosenberger, A. T., JOSA 68: 700
- Detrio, John A.**
- ; Donlan, Vincent L.: Improving the accuracy of Jarrell-Ash microphotometers (E), AO 13: 2236
- Detwiler, C. R.** See Koomen, M. J., AO 14: 743
- Deutsch, Jean-Claude.** See Valette, Serge, AO 18: 1289
- Deutsch, T. F.** See Brueck, S. R. J., JOSA 68: 686; Ehrlich, D. J., JOSA 69: 1461; Osgood, R. M., Jr., JOSA 69: 1449



- ; Ehrlich, D. J.; Osgood, R. M., Jr.: Atomic-transition lasers based on two-photon dissociation of metal-triiodide vapors (E), OL 4: 378
- Optoacoustic measurements of energy absorption in  $\text{CO}_2$  TEA-laser-excited  $\text{SF}_6$  at 293 and 145 K (E), OL 1: 25
- Deutschbein, O.**
- ; Faustlich, M.; Jahn, W.; Krolla, G.; Neuroth, N.: Glasses with a large laser effect: Nd-phosphate and Nd-fluorophosphate (E), AO 17: 2228
- Deuze, J. L.**
- ; Fymat, Alain L.: Instrumentation optimization in Fourier spectroscopy. 1: Far infrared beam splitters (T), AO 13: 1807
- DeValois, Karen K.** See DeValois, Russel L., JOSA 69: 1417
- DeValois, Russel L.**
- ; DeValois, Karen K.: Spatial processing of color and luminance information (A), JOSA 69: 1417
- Devaney, A. J.** See Foley, John T., JOSA 65: 1224
- ; Gonsalves, R. A.; Chidlaw, R.: Application of phase retrieval techniques to adaptive imaging systems (A), JOSA 67: 1422
- ; Chidlaw, R.; Gonsalves, R. A.: Application of phase retrieval techniques to adaptive imaging systems. II (A), JOSA 68: 1386
- Inverse problem for random sources (A), JOSA 68: 1421
- Nonuniqueness in the inverse scattering problem (A), JOSA 67: 1437
- Quasi-plane-waves and their use in radiation and scattering problems (A), JOSA 69: 1473
- ; Chidlaw, R.: Uniqueness question in the problem of phase retrieval from intensity measurements (T) (L), JOSA 68: 1352
- Devaney, J. J.**
- ; Booth, L. A.; Pendergrass, J. H.; Frank, T. G.: Environmental effects and potential hazards of laser fusion electric generating stations (A), JOSA 68: 546
- De Vany, A. S.**
- Correcting glass-angles of a prism (E) (L), AO 16: 2019
- Correcting glass-angles of prism (errata), AO 16: 2787
- Deviation prism interferometric testing (E) (L), AO 17: 7
- Deviation prisms: controlling the 90° roof-angle ridge (E) (L), AO 15: 1661
- Eight-way classification of interferometric and interferential fringes: supplement (E) (L), AO 13: 1737
- Generating large-diameter radius surfaces with small cutters (L), AO 18: 2526
- Generating large-diameter radius surfaces with small cutters (errata), AO 18: 4066
- Go, no-go Ronchi template for aspheric mirrors (A), JOSA 64: 558
- Laser illuminated divergent ball bearing sources (E) (L), AO 13: 457
- Near perfect optical square (E) (L), AO 18: 1284
- Optical figuring of prisms (E) (L), AO 16: 1459
- Optically figuring a Schmidt-Cassegrain system (E) (L), AO 18: 608
- Profiling pitch polishers (E) (L), AO 17: 3022
- Quantitative test for concave aspheric surfaces using a Babinet compensator: comments (E) (L), AO 18: 4066
- Resin polishers, holders, and tools (E) (L), AO 18: 3875
- Setting the optimum focus of the pinhole or reticle of a collimator lens (E) (L), AO 15: 1104
- Testing a prism's compound reflecting angles (L), AO 14: 2791
- Testing glass reflecting angles of prisms (E) (L), AO 17: 1661
- Testing the sphericity of short radii convex surfaces (E) (L), AO 13: 229
- DeVelis, John B.** See Cronin, David J., JOSA 65: 1167; Hong, Yie-Ming, JOSA 65: 1171
- Devi, V. Malathy.** See Rao, K. Narahari, JOSA 69: 1480; Reddy, S. Paddi, AO 18: 1350
- ; Das, Palash P.; Rao, K. Narahari: Intercomparison of  $\text{CO}_2$  and HCN wave numbers at 800–600  $\text{cm}^{-1}$  with a diode laser spectrometer (E) (L), AO 18: 2918
- Devich, Robert N.** See Barrett, Eamon B., JOSA 66: 172
- Devir, Adam D.**
- ; Oppenheim, Uri P.: Passive Q-switching of a  $\text{CO}_2$  laser by  $\text{CH}_3\text{F}$ : an analysis (ET), AO 16: 2157
- ; Bauer, S. H.: Vibrational relaxation time measurements via CRIIF (A), JOSA 68: 679
- Devoe, Ralph G.**
- ; Brewer, Richard G.: Optical coherent transients by laser frequency switching: subnanosecond studies (A), JOSA 68: 695
- Devons, Samuel**
- Rutherford, Lewis Morris, 1816–1892, AO 15: 1731
- de Wit, M.** See Watts, R. K., AO 13: 2329
- DeWitt, D. P.**
- ; Wiechel, J. F.; Frantz, G. J.; Hannemann, R. E.: Optical detection of neonatal jaundice (A), JOSA 64: 537
- de Witte, Olivier.** See Daussey, Helene, AO 17: 451
- de Wolf, David A.**
- Coherence of a light beam through an optically dense turbid layer (T), AO 17: 1280
- Depolarization term of the wave equation (A), JOSA 68: 1369
- Depolarization term of the wave equation (T) (L), JOSA 69: 1313
- Optical coherence through turbid media (A), JOSA 68: 541
- Remote Sensing of the Troposphere. Edited by V. E. Derr (B), JOSA 64: 1278
- Strong irradiance fluctuations in turbulent air, III. Diffraction cutoff (T), JOSA 64: 360
- Waves in random media: weak scattering reconsidered (T), JOSA 68: 475
- Dexter, David L.**
- Excitons at High Density. Edited by H. Haken and S. Nikitine (B), JOSA 65: 1385
- Optical Properties of Ions in Solids. By Baldassare Di Bartolo, Editor (B), JOSA 67: 411
- Optical Properties of Solids—New Developments. Edited by B. O. Seraphin (B), JOSA 67: 416
- Point Defects in Crystals. By R. K. Watts (B), JOSA 68: 425
- Dey, Thomas W.**
- Measurement and evaluation of the geometry of thin spherical shells (A), JOSA 69: 1405
- DeYoung, T. F.** See Lavan, M. J., AO 15: 2627
- de Zenobi, E. L.** See Simon, Maria C., AO 18: 1463
- Dialetis, D.**
- Equivalence of the Ewald-Oseen extinction theorem as a nonlocal boundary-value problem with Maxwell's equations and boundary conditions (T), JOSA 68: 602
- Excitation of a spherical resonant medium by an external field (T), JOSA 69: 882
- Diamant, Paul.** See Elbaum, Marek, JOSA 65: 1198, JOSA 65: 1204, AO 15: 2268, AO 16: 1982; Steinberg, Richard, AO 15: 869
- Image processing by nutation: an analysis (T), AO 15: 1573
- Diamond, A. Leonard.** See Young, Rockefeller S. L., JOSA 64: 1145
- Phase-versus-time analysis of the safety-state evoked potential latency (T) (L), JOSA 67: 841
- Diamond, Ivan**
- ; Granelli, Steven G.; McDonagh, Antony F.; Nielsen, Surl; Wilson, Charles B.; Jaenicke, Richard: Photodynamic therapy of malignant tumors (A), JOSA 64: 534
- Dias, A. R.** See Goodman, Joseph W., JOSA 68: 1414, OL 2: 1
- diBenedetto, B.**
- ; Donadio, Robert N.; Klein, Claude A.; Kohane, T.; Pappis, J.: Optical properties of CVD ZnS in the infrared (A), JOSA 67: 1443
- Dichgans, Johannes.** See Richards, Whitman, JOSA 64: 1148
- Dick, K. A.**
- Ground-state term intervals in multiply ionized zinc (Zn V, Zn VI) and gallium (Ga V, Ga VI, Ga VII) (E), JOSA 64: 702
- ; Benesch, W.: Spectra of  $\text{N}_2^+$  first negative and Meinel bands (A), JOSA 67: 1431
- Dicke, Robert H.**
- Coherence, correlation, and quanta (A), JOSA 68: 1419
- Real-time correction of telescope "seeing" (A), JOSA 65: 1206
- Dickey, D. H.** See O'Neil, R. W., JOSA 65: 1191
- Dickey, Fred M.**
- Coherent optical simulation of radar imagery (A), JOSA 66: 170
- ; Shanmugam, K. Sam: Optimum edge detection filter (TE), AO 16: 145
- ; Moore, Donald J.: White light optical processor for edge enhancement and spectral filtering (TE), AO 18: 1679
- Dickson, Larry.** See Beckers, Jacques M., AO 14: 2061
- DiDomenico, M. D., Jr.** See Brackett, C. A., JOSA 66: 391; Chen, F. S., JOSA 66: 391; Karr, M. A., AO 17: 2215
- Diehl, S. R.**
- ; Smith, D. T.; Sydor, M.: Analysis of suspended solids by single-particle scattering (E), AO 18: 1653
- Diels, J.-C.**
- Apodized aperture using frustrated total reflection (E) (L), AO 14: 2810
- ; Georges, A. T.: Coherent two-photon resonant third- and fifth-harmonic generation in metal vapors (A), JOSA 68: 676
- ; Van Stryland, Eric W.; Benedict, G.: Generation and measurement of 200 femtosecond optical pulses (A), JOSA 68: 666
- ; Bass, Michael: Isolation of high-power multiline  $\text{CO}_2$  laser amplifier chains from the target reflection (A), JOSA 66: 387
- Selective resonant inversion of atomic vapors for isotope separation (A), JOSA 66: 1125
- ; Georges, A. T.: Two-photon coherent propagation and third-harmonic generation (T), OL 1: 158
- Dienes, A.** See Bourkoff, E., JOSA 68: 1394
- Dignam, M. J.** See Roth, James A., JOSA 66: 981; Stobie, R. W., AO 14: 999, JOSA 65: 25
- Dijkstra, J.** See Schnopper, H. W., AO 16: 1088
- Dil, Jan G.**
- ; Jacobs, B. A. J.: Apparent size of reflecting polygonal obstacles of the order of one wavelength (TE), JOSA 69: 950
- ; Derkema, B. J.: Control of pit geometry on video disks (A), JOSA 69: 1473
- ; Wesdorp, C. A.: Control of pit geometry on video disks (ET), AO 18: 3198
- ; Greve, Peter F.; Mesman, Wichert: Measurement of steep aspheric surfaces (E), AO 17: 553
- ; Mesman, Wichert; Haisma, J.: Testing and fabrication of biapherics (A), JOSA 69: 1419
- DiLaura, T. J.** See Wang, W. Y., JOSA 67: 1392, AO 16: 3230
- Dillenschneider, W.** See Gerhardt, H., JOSA 68: 626
- Dilworth, Donald C.**
- Pseudo-second-derivative matrix and its application to automatic lens design (T), AO 17: 3372
- DiMarzio, C. A.**
- ; Goff, R. W.; Kalafus, R. M.: Coherent  $\text{CO}_2$  lidar attenuation measurements in rain (A), JOSA 68: 541
- Dimitriadis, B.** See Stark, Henry, JOSA 65: 425, JOSA 65: 973, JOSA 65: 1436
- Dimock, D.** See Bretz, Norton, AO 17: 192
- Di Porto, Paolo.** See Croisnani, Bruno, AO 16: 2033, JOSA 66: 1312, JOSA 67: 1300, JOSA 68: 1586, JOSA 69: 1596
- Dirks, J. F.** See Zech, R. G., AO 16: 1642
- Dirmhirn, Inge.** See Eaton, Frank D., AO 18: 994
- Dishington, R. H.**
- ; Hook, W. R.; Hilberg, R. P.: Flashlamp discharge and laser efficiency (TE), AO 13: 2300
- Flashlamp drive circuit optimization for lasers (E), AO 16: 1578
- DiTman, L. S., Jr.** See Hall, J. S., JOSA 66: 1068
- Divergilio, W. F.**
- ; Kim, H. C.; Tang, J. T.; Wong, A. Y.: Critical surface phenomena in intense microwave plasma interactions (A), JOSA 68: 543
- Divino, M. D.** See Ramaswamy, V., AO 18: 4080
- Di Vita, P.**
- ; Vannucci, R.: Multimode optical waveguides with graded refractive index: theory of power launching (T), AO 15: 2765
- Dixon, E. R.**
- Spectral distribution of Australian daylight (E), JOSA 68: 437
- Dixon, J. G.** See Flack, Ronald D., Jr., AO 18: 3841
- Dixon, R. H.** See Elton, R. C., JOSA 67: 1384, OL 2: 100; Reintjes, J. F., OL 3: 40
- Three-mirror image rotator in a laser-produced plasma experiment (E) (L), AO 18: 3883
- Dixon, R. W.** See Cho, A. Y., JOSA 66: 290
- Djeu, N.** See Burnham, R., OL 3: 215
- Diott, D. D.** See Salcedo, J. R., JOSA 68: 1412; Salcedo, Jose, JOSA 66: 1074
- Dobbins, R. A.**
- ; Eklund, T. I.: Ripple structure of the extinction coefficient (E) (L), AO 16: 281



- Dobrowolski, J. A.**  
—; Mandler, W.: Color correcting coatings for photographic objectives (ET) (L), AO 18: 1879
- ; Marsh, G. E.; Charbonneau, D. G.; Eng, J.; Josephy, P. D.: Colored filter glasses: an intercomparison of glasses made by different manufacturers (R), AO 16: 1491  
Intercomparison of colored filter glasses made by different manufacturers (A), JOSA 64: 548
- ; Lowe, D. G.: Optical thin film synthesis program based on the use of Fourier transforms (T), AO 17: 3039
- ; Lowe, D. G.: Program for the automatic synthesis of optical multilayers based on Sossi's method (A), JOSA 67: 1429  
Two bandpass filters with absorbing materials (A), JOSA 66: 162
- Doda, D. D.** See Garrison, L. M., JOSA 68: 1433, AO 17: 827, AO 18: 850
- ; Green, Alex E. S.: Ultraviolet reflectivities from airborne measurements (A), JOSA 69: 1401
- Dodd, Jack G.**  
Interferometry with schlieren microscopy (ET), AO 16: 470
- ; Krasinski, Jerzy; Boyd, Robert W.; Stroud, Carlos R., Jr.: Metal-vapor oven with  $2\pi$  radians optical access (A), JOSA 69: 1427
- Dodel, G.**  
—; Kunz, W.: Diffraction limitations for plasma electron density measurements with schlieren methods (T), AO 14: 2537
- ; Kunz, W.: Evaporographic and pyroelectric image recording for two-dimensional plasma interferometry in the far infrared (E), JOSA 67: 975
- Dodge, Carl**  
—; Anderson, Wallace L.: Particle-size analysis using pattern recognition applied to the Fraunhofer-diffracted light (A), JOSA 64: 544
- Dodge, Lee G.** See O'Shea, Donald C., AO 13: 1481
- ; Dusek, J.: Absorption characteristics of the  $\gamma$ -0 band of nitric oxide: comments (T) (L), AO 18: 419
- Dodge, Marilyn J.** See Johnston, George T., JOSA 68: 1397
- ; Malitson, Irving H.: Refraction, dispersion and  $dn/dT$  of CVD zinc selenide (A), JOSA 65: 1169
- ; Malitson, Irving H.: Refractive index and temperature coefficient of index of KCl (A), JOSA 64: 1383  
Refractive properties of infrared laser window materials (A), JOSA 67: 254  
Refractive properties of magnesium fluoride (A), JOSA 69: 1460
- Doebele, H. F.** See Behn, R., AO 15: 1850
- ; Massig, J. H.: Application of a Fabry-Perot spectrometer to the measurement of spectral line shifts much smaller than line width (ET), AO 15: 69
- ; Gindele, K.: Electrooptically switched multipass system for laser scattering diagnostics (E), AO 16: 2403
- Doerbeck, F. H.** See Blum, F. A., JOSA 64: 1368
- Doerner, E. C.** See Trabka, E. A., JOSA 64: 1401
- Doland, C.** See O'Neill, P., JOSA 67: 252, AO 16: 2822
- Doletzky, N. E.** See Nolen, R. L., Jr., JOSA 68: 544, JOSA 68: 544
- Dolezal, Franklin A.** See Baily, Philip K., JOSA 64: 1359; Sutter, L. V., AO 18: 3835
- Dolezalek, Hans**  
Marine Optics. By N. G. Jerlov (B), AO 16: 1115
- Domanski, Andrej**  
Diffraction ellipsometry at microwave wavelengths, JOSA 69: 328
- Dombrowski, L. C.** See Hackett, W. H., Jr., JOSA 67: 709
- Donadio, Robert N.** See diBenedetto, B., JOSA 67: 1443; Miles, Perry A., JOSA 65: 1169
- Donahue, D. J.**  
—; McIntyre, L. C., Jr.; Rathmann, P.: Beam-foil measurements of mean lives on B IV and B V below 450 Å (E) (L), JOSA 68: 994
- Donaldson, Gordon B.**  
Instrumentation for the Farnsworth-Munsell 100-hue test (L), JOSA 67: 248
- Donaldson, W.** See Halbout, J. M., JOSA 69: 1464
- Donati, Silvana**  
—; Martini, Giuseppe: Speckle-pattern intensity and phase: second-order conditional statistics (T), JOSA 69: 1690
- Dong, S. B.** See Yeh, Cavour, AO 18: 1490
- Donlan, Vincent L.** See Detrio, John A., AO 13: 2236
- Donnadieu, A.**  
—; Seraphin, Bernhard O.: Optical performance of absorber-reflector combinations for photothermal solar energy conversion (T), JOSA 68: 292
- Donnelly, J. P.** See Leonberger, F. J., JOSA 66: 290, AO 17: 2250
- Donnelly, Keith E.** See Pinnington, Eric H., JOSA 67: 162, JOSA 67: 853
- ; Pinnington, Eric H.; O'Neill, James A.; Brooks, Robert L.: Beam-foil investigation of the iodine spectrum (A), JOSA 67: 1384
- ; Kernahan, J. A.; Pinnington, Eric H.: Mean-life measurements for some terms in C II, C III, and C IV (E) (L), JOSA 68: 1000
- ; Kernahan, J. A.; Pinnington, Eric H.: Mean-life measurements for some terms in C II, C III, and C IV (errata), JOSA 68: 1787
- ; Kindlmann, P. J.; Bennett, W. R., Jr.: Radiative lifetimes and collisional deactivation rates  $4p^45p$  configuration of singly ionized krypton (E), JOSA 65: 1359
- Donoho, David.** See Browder, James Steve, JOSA 67: 1443
- Donohue, Robert J.**  
—; Joseph, Bernard W.: Computer synthesized filament images from reflectors and through lens elements for lamp design and evaluation (TE), AO 14: 2384
- Dooley, Roger P.**  
—; Greenfield, Martin I.: Measurements of edge-induced visual contrast and a spatial-frequency interaction of the Cornsweet illusion (E), JOSA 67: 761
- ; Greenfield, Martin I.: Visual-contrast magnitudes of edge-induced contrast effects (A), JOSA 64: 1400
- Dorain, Paul B.** See Owen, James F., JOSA 69: 1463
- Doremus, L. W.** See Vezzoli, Gary C., AO 15: 327, AO 16: 433
- Dorman, P. W.** See Chen, F. S., JOSA 66: 391
- Dorschner, T. A.**  
—; Smith, I. W.: Clear-path four-frequency resonators for ring laser gyros (A), JOSA 68: 1381
- Doschek, G. A.** See Behring, William E., JOSA 66: 376, JOSA 66: 1141; Burkhalter, P. G., JOSA 67: 741; Feldman, Uri, JOSA 66: 853, JOSA 67: 726
- ; Cohen, Leonard: Transitions  $2s^22p$ - $2s2p^2$  in the B I isoelectronic sequence (ET) (L), JOSA 65: 463
- Dougal, Roger A.**  
—; Jones, C. Randy; Gundersen, Martin; Nelson, Leonard Y.: Longitudinal-mode control of a CO<sub>2</sub> TE laser by means of intracavity absorbers (E), AO 18: 1311
- Douglas, R. J.**  
—; Timusk, T.: Double-beam modification for far infrared interferometers (E) (L), AO 13: 723
- Douglas-Hamilton, D. H.** See Sutton, George W., AO 18: 2323
- ; Seitz, J. R. M.; Hoag, Ethan D.: Diamond as a high-power-laser window (E), JOSA 64: 36  
Transmission at  $\lambda = 10.6\text{-}\mu\text{m}$  wavelength through the upper atmosphere (T), AO 17: 2316
- Dowley, M. W.** See Hawkins, J. D., JOSA 66: 385, JOSA 66: 386
- Dowling, James A.** See Curcio, J. A., JOSA 68: 541; Haight, Kenneth M., JOSA 66: 1087, OL 1: 121  
Results of NRL low-power laser-propagation studies (A), JOSA 65: 1202
- Downing, Harry D.** See Robertson, Charles W., JOSA 65: 432; Sethna, Prochy P., JOSA 68: 429
- ; Pinkley, Larry W.; Sethna, Prochy P.; Williams, Dudley: Optical constants of ammonium sulfate in the infrared (E), JOSA 67: 186
- Downs, D. C.** See Davis, S. J., AO 17: 3184; Murray, J. E., JOSA 68: 547
- Downs, R. L.** See Nolen, R. L., Jr., JOSA 68: 544
- Draggou, V. G.** See McAllister, G. L., AO 14: 1290
- Drake, Marvin D.**  
Multimode fiber-optics coupler with low insertion loss (ET), AO 17: 3248
- PLZT matrix-type block data composers (E), AO 13: 347
- Drake, Ronald L.**  
Comprehensive aerosol growth model (A), JOSA 67: 259
- Draper, Clifton W.**  
—; Benko, John W.: Simple determination of workpiece-focal-point window tolerances in laser-material processing (A), JOSA 69: 1469
- ; Benko, John W.: Simple determination of workpiece-focal-point window tolerances in laser-material processing (ET) (L), AO 18: 3205
- Draper, James Stark.** See Ebersole, John F., JOSA 68: 1358
- Dravins, Dainis**  
High-dispersion astronomical spectroscopy with holographic and ruled diffraction gratings (E), AO 17: 404
- Drayson, S. Roland.** See Park, Jae H., AO 18: 1950; Russell, James M., III, AO 16: 1479, AO 16: 607
- Drewell, N.** See Measures, Raymond M., AO 18: 1824
- Dreyer, G. F.** See Friehe, Carl A., JOSA 65: 1502
- Driscoll, Walter G.**  
New England bioengineering conference, 2nd annual, Worcester, 29-30 Mar, 1974 (M), AO 13: 1984
- Driver, R. D.**  
—; Wheaton, J. E. G.: Photoionization cross sections of metal vapors below 50 nm: an apparatus for their measurement (E), AO 15: 700
- Drouin, R.** See Knystautas, E. J., JOSA 67: 1383
- Drozdzowicz, A.**  
—; Temkin, R. J.: Two-photon transitions in optically pumped submillimeter lasers (A), JOSA 68: 710
- Drucker, D. C.** See Budiansky, B., AO 18: 4085
- Drucker, M.** See Rabinovitch, K., AO 18: 553
- Druetta, M.** See Buchet, J. P., JOSA 65: 991, JOSA 66: 842; Knystautas, E. J., JOSA 67: 1383, JOSA 69: 474
- ; Buchet, J. P.: Beam-foil study of krypton between 400 and 800 Å (ET), JOSA 66: 433
- Druger, S. D.** See Kerker, Milton, AO 18: 1172; McNulty, P. J., JOSA 68: 1452, AO 18: 1484
- ; Kerker, Milton; Wang, Dau-Sing; Cooke, Derry D.: Light scattering by inhomogeneous particles (T) (L), AO 18: 3588
- Drullinger, R. E.** See Brillet, Alain, JOSA 68: 635; Wineland, D. J., JOSA 68: 648
- Drum, Bruce A.**  
Cone interactions at high flicker frequencies: evidence for cone latency differences? (E) (L), JOSA 67: 1601  
Cone interactions at high flicker frequencies: evidence for cone latency differences? (errata), JOSA 68: 277  
Cone latency differences to chromatic stimuli (A), JOSA 66: 1102  
Cones suppress rod brightness (A), JOSA 67: 1427  
Rods change foveal cone thresholds (A), JOSA 69: 1453  
Spatial summation of brightness for flickering targets (A), JOSA 68: 1439
- Drumheller, J.** See Deckman, H. W., JOSA 69: 1468
- Drummond, A. J.** See Smith, W. Lee, AO 16: 306
- ; Robinson, G. D.: Some measurements of the attenuation of solar radiation during BOMEX (E), AO 13: 487
- Drummond, P. D.** See Carmichael, H. J., JOSA 68: 1636
- Dryden, G.** See Korff, David, JOSA 65: 1321
- Dryer, F. L.** See Santoro, R. J., AO 17: 3843
- Duban, M.** See Authier, B., AO 18: 3081
- Dube, D. J.** See Clough, Shepard A., JOSA 68: 1424
- Dube, George**  
Calorimetric measurements of stimulated emission cross sections and absorption coefficients at 1.06  $\mu\text{m}$  (ET) (L), AO 16: 1484  
India ink Q-switch (N), AO 14: 553
- ; Boling, N. L.: Liquid cladding for face-pumped Nd:glass lasers (ET) (L), AO 13: 699
- Dubnitshev, Yu. N.**  
—; Koronkevitch, V. P.; Sobolev, V. S.; Stolpovski, A. A.; Vasilenko, Yu. G.; Utkin, E. N.: Laser Doppler velocimeter as an optoelectronic data processing system (ET), AO 14: 180



- Dubs, M.**  
—; Guenthard, H. H.: Infrared diode laser double-beam spectrometer (E), AO 17: 3593
- Ducas, Theodore W.**  
—; Littman, Michael G.; Zimmerman, Myron L.: Spectroscopy using resonant oscillations in coherently excited states (A), JOSA 65: 1163
- Ducuing, Jacques.** See Frey, Robert, JOSA 68: 637
- Dudermel, M. T.** See Edwin, R. P., AO 17: 1066
- Duerinckx, Andre J.**  
Pulse compression in mode-locked lasers using intracavity self-phase modulation (A), JOSA 66: 1074
- Duerre, D. E.** See Bernhardt, Anthony F., JOSA 66: 416, JOSA 66: 420
- Duffy, Michael T.** See Channin, D. J., AO 14: 923; Miller, Arthur, AO 14: 809; Zanzucchi, P. J., AO 17: 3477
- Dufton, P. L.** See Bates, B., AO 13: 1746
- Duffy, James W.**  
Spectral Line Broadening By Plasmas. By Hans R. Griem (B), AO 15: 2605
- Dugan, C. H.**  
—; Lee, A.; Morgan, F. J.: Laser intracavity absorption without spatial inhomogeneities (A), JOSA 67: 1425  
—; Lee, A.; Morgan, F. J.: Polarization of light from a pulsed dye laser (E), AO 17: 1012
- Dugan, H.** See Morgan, F. J., AO 18: 4112
- Duggin, M. J.**  
Likely effects of solar elevation on the quantification of changes in vegetation with maturity using sequential Landsat imagery (E) (L), AO 16: 521
- Duguay, Michel A.** See McGuire, E. J., AO 16: 83
- ; Edgar, Robert M.: Lighting with concentrated beams of sunlight (A), JOSA 66: 1069
- ; Edgar, Robert M.: Lighting with sunlight using sun tracking concentrators (E), AO 16: 1444
- ; Aumiller, G. D.: Transmission of 3-D images by means of lens guides (E), AO 18: 2081
- Duley, W. W.** See Bruce, D. M., JOSA 67: 1418, JOSA 69: 1407; Buxton, R. A. H., AO 13: 1184; MacLean, S. G., JOSA 69: 1410; Mirza, M. Y., JOSA 67: 1417; Sayer, Richard J., JOSA 67: 1418; Weeks, R. W., AO 15: 2917; Young, W. A., JOSA 69: 1410
- Dumanchin, Roger.** See Daussy, Helene, AO 17: 451
- Dumke, W. P.**  
Semiconductor laser conference, 4th IEEE international, Atlanta, 18-20 Nov 1974 (M), AO 14: 555
- Dumont, Frank J.**  
Interferometric pairs (A), JOSA 65: 1216
- Dumont, P. D.** See Garnir, H. P., JOSA 67: 751; Livingston, A. E., JOSA 66: 375, JOSA 66: 1393
- ; Garnir, H. P.; Baudinet-Robinet, Y.: Beam-foil study of sulfur between 500 and 1200 Å (E), JOSA 68: 825
- Dunbar, R. S.** See Andrews, C. L., JOSA 65: 1167
- Duncan, Charles H.**  
—; Harrison, Royal G.; Hickey, John R.; Kendall, James M., Sr.; Thekaekara, Matthew P.; Willson, Richard C.: Rocket calibration of the Nimbus 6 solar constant measurements (E), AO 16: 2690
- Duncan, Donald D.** See Collins, Stuart A., Jr., JOSA 65: 1218; Pape, L. E., Jr., JOSA 65: 1218
- ; Davidson, R. S.; Collins, Stuart A., Jr.: Fourier-transform method of image restoration (A), JOSA 64: 560  
Image centroid motion of an extended Lambertian target (A), JOSA 67: 1377  
Phase structure function for Gaussian beam (A), JOSA 64: 549  
Prediction of the temporal scintillation spectrum of a blemished laser beam (A), JOSA 67: 1375
- ; Collins, Stuart A., Jr.: Simulation of atmospherically degraded beams I: Extended Fourier approach (A), JOSA 65: 1218
- Duncan, Louis.** See Ebersole, John F., JOSA 69: 1398
- Duncan, Michael D.** See Hennesian, Michael A., OL 1: 149; May, A. D., JOSA 67: 1397
- ; Byer, Robert L.: Very-high-resolution CARS spectroscopy in a molecular beam (A), JOSA 68: 1433
- Dunipace, D. W.**  
—; Strong, John; Huizinga, Martin: Prediction of nighttime driving visibility from laboratory data (T), AO 13: 2723
- Dunkelman, Lawrence.** See Martinek, Stephen J., JOSA 66: 1087, JOSA 67: 1370
- ; Martinek, Stephen J.: Another Lemmon: Why the 1951 solar spectral irradiance and atmospheric extinction measurements are being repeated (A), JOSA 66: 1087
- Dunlap, William P.** See Matteson, Halsey H., JOSA 64: 1403
- Dunn, Michael.** See Lewis, Owen, JOSA 68: 542
- Dunn, P.**  
—; Walls, J. M.: Absorption and phase in-line holograms: a comparison (E), AO 18: 2171  
—; Walls, J. M.: Improved microimages from in-line absorption holograms (E) (L), AO 18: 263  
—; Thompson, Brian J.: Object shape and resolution in far-field holography (A), JOSA 69: 1402
- Dunn, S. Thomas**  
Fourier transform infrared spectrometers: their recent history, current status, and commercial future (R), AO 17: 1367
- Dunn, T. M.**  
—; Gaudioso, S. L.; Thirtle, J. H.: New absorption band in the spectrum of ruby (E) (L), JOSA 64: 893
- Dunning, F. B.** See Blit, S., OL 1: 58; Rundel, R. D., JOSA 65: 628; Stickel, R. E., Jr., AO 16: 2356, AO 17: 981, AO 17: 1313, AO 17: 2132, AO 17: 2270  
Novel Sources of Coherent Radiation. Edited by Stephen F. Jacobs, Murray Sargent III, and Marlan O. Scully (B), AO 18: A173  
—; Stickel, R. E., Jr.: Sum frequency mixing in potassium pentaborate as a source of tunable coherent radiation at wavelengths below 217 nm (E), AO 15: 3131
- Dunning, Stephen J.**  
—; Robinson, Stanley R.: Multichannel infrared receiver performance (TE), AO 18: 1567
- Dunphy, James R.** See Elliott, Richard A., JOSA 68: 540
- ; Kerr, J. Richard: Atmospheric beam-wander cancellation by a fast-tracking transmitter (E) (L), JOSA 64: 1015  
—; Smith, David C.: Multiple-pulse thermal blooming and phase compensation (E), JOSA 67: 295  
—; Kerr, J. Richard: New strong path-integrated turbulence measurements (A), JOSA 66: 1066  
—; Smith, David C.: Nonlinear propagation through fog (A), JOSA 68: 541  
—; Kerr, J. Richard: Turbulence effects on target illumination by laser sources: phenomenological analysis and experimental results (ET), AO 16: 1345
- Dunsmuir, J. H.** See Deckman, H. W., JOSA 69: 1445
- Duntley, Seibert Q.** See Gordon, Jacqueline I., JOSA 65: 111
- Dupeyrat, R.** See Levy, Y., JOSA 67: 1410
- Dupoisot, Henri**  
—; Morizet, J.; Lostis, P.: Absorption de la lumiere d'un laser He-Ne par des pieges chrome-sulfure de zinc (E) (L), AO 13: 464  
—; Prat, Roland: High resolution interference spectrometry with a high factor of merit in the visible spectrum (E), AO 18: 85  
—; Prat, Roland; Slansky, Serge: Luminous flux amplification in Fabry-Perot spectrometry (T), AO 17: 3930  
—; Prat, Roland; Slansky, Serge: Luminous flux amplification in Fabry-Perot spectrometry: authors' reply to comment (T) (L), AO 18: 1476  
—; Morizet, J.; Lostis, P.: Pieges a lumiere interferentiels a larges bandes azimutale et spectrale (ET), AO 13: 1605  
—; Morizet, J.: Thin film coatings: algorithms for the determination of reflectance and transmittance, and their derivatives (T), AO 18: 2701
- DuPre, Elsie**  
—; Blodgett, Jerry; Sica, Louis: Spring meeting, Washington, 21-25 Apr 1974 (M), AO 13: 1983
- Dupree, A. K.**  
Spectroscopic diagnostics of the solar plasma (A), JOSA 66: 1060
- Durelli, A. J.** See Hung, Y. Y., AO 16: 1717
- Durfee, Gary L.** See Deitz, Paul H., JOSA 66: 178
- Durham, F. P.** See Stratton, T. F., JOSA 68: 543
- Durig, James R.**  
Determination of the potential functions for molecules with anharmonic vibrations (A), JOSA 67: 1422
- Durrant, D. A.** See Chodzko, R. A., AO 15: 2367
- Durrani, T. S.**  
—; Greated, C. A.: Spectral analysis and cross-correlation techniques for photon counting measurements on fluid flows (TE), AO 14: 778
- Durst, F.**  
—; Stevenson, Warren H.: Influence of Gaussian beam properties on laser Doppler signals (ET), AO 18: 516  
—; Zare, M.: Removal of pedestals and directional ambiguity of optical anemometer signals, AO 13: 2562  
—; Stevenson, Warren H.: Visual modeling of laser Doppler anemometer signals by moire fringes (T), AO 15: 137  
—; Stevenson, Warren H.: Visual modeling of laser doppler anemometer signals by moire fringes (errata), AO 15: 814
- Durvasula, L. N.**  
—; Gammon, Robert W.: Fabry-Perot line-shape studies of the KDP soft mode (A), JOSA 67: 1410  
—; Gammon, Robert W.: Pressure-scanned three-pass Fabry-Perot interferometer (E), AO 17: 3298
- Dusek, J.** See Dodge, Lee G., AO 18: 419
- Dusel, Peter W.**  
—; Kerker, Milton; Cooke, Derry D.: Distribution of absorption centers within irradiated spheres (T), JOSA 69: 55
- Duthie, J. G.** See Pipher, J. L., AO 16: 233
- Dutta, K.**  
—; Goodman, Joseph W.: Reconstructions of images of partially coherent objects from samples of mutual intensity (TE), JOSA 67: 796
- Dutta, N.**  
—; Warner, R. T.; Wolga, G. J.: Sensitivity enhancement of a spin-flip Raman laser absorption spectrometer through use of an intracavity absorption cell (E), OL 1: 155
- Dutton, David**  
Exploring Laser Light, Laboratory exercises and lecture demonstrations performed with low-power helium-neon lasers. By T. Kallard (B), JOSA 67: 1129  
Noise and other artifacts in OTF derived from image scanning (ET), AO 14: 513
- Duval, Kenneth.** See Estes, Lee E., JOSA 64: 295
- Duvernoy, Jacques.** See Baures, P. Y., AO 17: 3395; Vienot, Jean-Charles, AO 15: 523  
Classification of optical data by orthogonalized spatial filtering (A), JOSA 66: 170  
Handwriting synthesis and classification by means of space-variant transform and Karhunen-Loeve analysis (TE), JOSA 65: 1331  
Optical pattern recognition and clustering: Karhunen-Loeve analysis (TE), AO 15: 1584  
Optical statistical classifiers using coherent and incoherent light (T), AO 18: 2737  
Processing optical data matrices (E), AO 17: 3412  
Real-time classification of the thermographies by using optically coded eigenvectors in coherent and incoherent light (A), JOSA 68: 1376  
—; Charrat, D.: Space variant process in handwriting: study of its temporal stationarity, and application to its linear prediction (A), JOSA 68: 1376
- Dvorak, Charles A.** See Springer, Robert M., JOSA 69: 1444  
Retinal signals and noise underlying visual detection (A), JOSA 69: 1469
- Dvore, David S.** See Ebersole, John F., JOSA 69: 1398
- Dworkin, L.**  
—; Trumble, K.; Williams, D.: Progress toward practical military fiber optical communication systems (A), JOSA 67: 709
- Dyer, P. E.** See Deka, B. K., AO 18: 3722  
Influence of Brewster angle windows on confocal unstable resonator beam properties (T) (L), AO 17: 687  
—; Perera, I. K.: Injection mode locking of a TEA CO<sub>2</sub> laser on P and R transitions in the 9- and 10-μm bands (ET), OL 4: 250
- Dykes, Wiley V.** See Rosendahl, Gottfried R., JOSA 68: 79
- Dymek, M. S.** See Chao, T. H., JOSA 69: 1417; Yu, Francis T. S., JOSA 69: 1415  
—; Chao, T. H.; Yu, Francis T. S.; Tai, Anthony M.: Optical homomorphic filtering using film nonlinearity (A), JOSA 69: 1417



- Dyson, Freeman J.**  
Photon noise and atmospheric noise in active optical systems (T), JOSA 65: 551
- Eagen, C. F.** See Weber, W. H., OL 4: 236
- Earl, H. E.** See Stone, J., AO 17: 3647
- Earls, Leonard M.** See Querry, Marvin R., JOSA 64: 39
- Earnshaw, K. B.** See Wang, Ting-i, JOSA 68: 541, AO 17: 384
- Eastman, D.** See Spiller, Eberhard, JOSA 66: 78
- Eastman, D. P.** See Cardamone, M. J., JOSA 69: 1458
- ; Cardamone, M. J.: Light scattering from acoustic shear waves in quinoline and aniline (A), JOSA 66: 1106
- Eastman, Jay M.** See Moore, Duncan T., JOSA 64: 1369
- Creative Engineer. By Winston E. Kock (B), AO 18: 3160
- ; Baumeister, Philip W.: Measurement of the microtopography of optical surfaces using a scanning Fizeau interferometer (A), JOSA 64: 1369
- ; Soares, J. M.: Omega laser system for fusion experiments (A), JOSA 68: 542
- Surface scattering in optical interference coatings (A), JOSA 66: 164
- Eather, R. H.** See Mende, S. B., AO 16: 1691
- Eaton, Frank D.**
- ; Dirmhirn, Inge: Reflected irradiance indicatrices of natural surfaces and their effect on albedo (E), AO 18: 994
- Ebbeni, Jean**
- ; Charmet, J. C.: Strain components obtained from contrast measurement of holographic fringe patterns (ET), AO 16: 2543
- Ebberts, R. W.** See Taboada, J., AO 14: 1759
- Ebbeson, Gordon R.** See Jull, Edward V., JOSA 67: 557
- TM polarized electromagnetic scattering from fin-corrugated periodic surfaces (TE), JOSA 66: 1363
- Ebeling, K. J.**
- ; Lauterborn, W.: Acoustooptic beam deflection for spatial frequency multiplexing in high speed holog cinematography (E), AO 17: 2071
- Eberhardt, Edward H.**
- Flux conversion nomograph (T) (L), AO 15: 1105
- Gain model for microchannel plates (TE), AO 18: 1418
- Image transfer properties of proximity focused image tubes (E), AO 16: 2127
- Eberhardt, W. D.** See Sung, C. C., JOSA 68: 323
- Eberli, Bruno.** See Riva, Charles E., AO 18: 2301
- Eberly, Joseph H.** See Sanchez-Mondragon, J., JOSA 69: 1414; Shirley, J. H., AO 18: 3810; Wong, N. C., OL 1: 211
- Cooperative Effects in Matter and Radiation. Edited by Charles M. Bowden, D. W. Howgate, and Hermann R. Robl (B), JOSA 68: 1152
- Introduction to Quantum Electronics. By P. A. Lindsay (B), JOSA 66: 1444
- ; Kunasz, C. V.: Time-dependent physical spectra, a movie (A), JOSA 68: 1405
- ; Wodkiewicz, K.: Time-dependent physical spectrum of light (T), JOSA 67: 1252
- Ebersole, John F.**
- ; Vaglio-Laurin, Roberto; Dvorn, David S.; Martinez-Sanchez, Manuel; Duncan, Louis: Analysis and modeling of dust obscuration effects on electro-optical systems (A), JOSA 69: 1398
- ; Wyant, James C.: Collimated-light acousto-optic lateral-shearing interferometer (A), JOSA 64: 558
- ; Wyant, James C.: Collimated light acousto-optic lateral shearing interferometer (ET) (L), AO 13: 1004
- Epitaxial zinc sulfide thin-film optical waveguides (A), JOSA 64: 1366
- ; Gozewski, Conrad M.; Powers, Edward M.; Draper, James Stark; Camac, Morton: Measurement of the infrared optical properties of aerosols (A), JOSA 68: 1358
- ; Mann, David M.; Gozewski, Conrad M.: Measurements of the infrared properties of aerosols (A), JOSA 67: 258
- Optical image subtraction (A), JOSA 65: 1177
- Planar refractive-index-gradient optical waveguides (A), JOSA 64: 525
- ; Wyant, James C.: Real-time optical-image subtraction (A), JOSA 64: 1402
- ; Wyant, James C.: Real-time optical subtraction of photographic imagery for difference detection (ET), AO 15: 871
- Ebert, J.**
- ; Pannhorst, H.; Kuester, H.; Welling, Herbert: Scatter losses of broadband interference coatings (E), AO 18: 818
- Ebner, M. A.** See Nolen, R. L., Jr., JOSA 68: 544
- Ebrahim, N. A.** See Sandeman, R. J., AO 16: 1376
- Eckardt, R. C.** See Reintjes, J. F., JOSA 66: 1126, JOSA 67: 251
- ; Reintjes, J. F.: Time-dependent calculations of harmonic conversion from 532 to 266 nm in ADP (A), JOSA 66: 1126
- Eckbreth, Alan C.** See Hall, Robert J., OL 4: 87
- Remote detection of CARS employing fiber optic guides (E) (L), AO 18: 3215
- ; Davis, Jack W.: Spatial resolution enhancement in coaxial light scattering geometries (ET) (L), AO 16: 804
- Eckerle, K. L.** See Mielenz, Klaus D., AO 14: 1649
- ; Venable, W. H., Jr.; Weidner, Victor R.: Averaging sphere for ultraviolet, visible, and near infrared wavelengths: a highly effective design (ET), AO 15: 703
- Eckerman, Jerome R.** See Kim, Hongsuk H., AO 18: 4088
- Eckert, J. A.** See Melfi, S. Harvey, JOSA 66: 386
- Eckhardt, Roger C.**
- ; Hinsley, Ronald; Rockwood, Stephen; Piltch, Martin S.: CF<sub>4</sub> laser oscillator-amplifier measurements: small signal gain and self-absorption (E), OL 4: 112
- Eckstein, J. N.**
- ; Ferguson, A. I.; Haensch, Theo W.: High-resolution spectroscopy with ultrashort light pulses (A), JOSA 68: 646
- Eckstrom, D. J.**
- ; Barker, J. R.; Hawley, J. G.; Reilly, James P.: Intracavity dye laser spectroscopy studies of the Ba + N<sub>2</sub>O, Ca + N<sub>2</sub>O + CO, and Sr + N<sub>2</sub>O + CO reactions (E), AO 16: 2102
- Economou, N. P.** See Bloom, David M., JOSA 68: 689, OL 2: 58; Freeman, Richard R., JOSA 68: 1378
- ; Freeman, Richard R.; Bjorklund, Gary C.: Effects of magnetic fields on four-wave mixing processes in atomic vapors (E), OL 3: 209
- ; Liao, P. F.: Magnetic-field quantum beats in two-photon free-induction decay (E), OL 3: 172
- Eddy, John A.**
- Edison the scientist, AO 18: 3736
- Skylab optics: an introduction, AO 16: 823
- Edelson, William.** See Elbaum, Marek, JOSA 65: 1204, AO 16: 1982
- Eden, J. Gary**
- ; Waynant, Ronald W.: Lifetime and collisional quenching measurements of XeF<sup>+</sup>(B) by photolysis of XeF<sub>2</sub> (E), OL 2: 13
- Photolytically pumped HgCl and XeF lasers (A), JOSA 68: 1646
- ; Golden, J.: Proton beams: efficient pumps for UV and visible lasers (A), JOSA 68: 1355
- ; Golden, J.; Mahaffey, R. A.; Pasour, J. A.; Waynant, Ronald W.; Ali, A. W.; Kapetanakis, C. A.: Ultraviolet lasers pumped by intense proton beams (A), JOSA 68: 1646
- XeF[B → X] laser optically excited by incoherent Xe<sub>2</sub><sup>\*</sup> [172-nm] radiation (E), OL 3: 94
- Ederer, D. L.** See Saloman, E. B., JOSA 64: 547, AO 14: 1029
- Atomic spectroscopy, second symposium, National Bureau of Standards, 23-26 Sep 1975 (M), AO 15: 839
- ; Manalis, M.: Photoabsorption of the 4d electrons in xenon (E), JOSA 65: 634
- ; Lucatorto, T. B.; Mehlman, G.: Photoabsorption spectrum of Mg I in the range 226–170 Å (54–70 eV) (E), JOSA 69: 520
- ; Madden, R. P.: Synchrotron radiation as a known source for spectrometer calibrations (A), JOSA 64: 545
- Edgar, Robert M.** See Duguay, Michel A., JOSA 66: 1069, AO 16: 1444
- Edgerton, Catherine F.** See Gordon, Jacqueline I., JOSA 65: 111
- Edmonds, W. R.**
- Imaging properties of a conic axicon (T) (L), AO 13: 1762
- Isoline approach to portraying atmospheric turbulence induced laser beam spread (T), AO 16: 1606
- Isoline method of portraying atmospheric attenuation of laser radiation (T) (L), AO 14: 1263
- Refluxicon, a new reflective optical element, and some applications: reply to comment (T) (L), AO 13: 1764
- Edmonds, Walter R.**
- Isoline approach to portraying atmospheric turbulence (A), JOSA 64: 540
- Edwards, D. K.**
- Trade-offs in optical characteristics of materials for solar-heat collectors (A), JOSA 64: 1355
- Edwards, David F.** See Baumeister, Philip W., AO 17: 3858, AO 18: 3127; Meneely, C. T., AO 14: 2129
- Edwards, Howard B.** See McCormick, M. Patrick, JOSA 67: 258
- ; Chu, William P.: Graphic design of pinhole cameras (T) (L), AO 18: 262
- Edwards, Robert V.** See Angus, John C., AO 16: 2798; Gallagher, Neal C., Jr., AO 16: 413
- Edwards, Thomas R.** See Buckner, James D., AO 13: 2061
- Edwin, R. P.**
- Infrared interferometer with a scanned aperture (ET), AO 14: 1997
- ; Duderml, M. T.; Lamare, M.: Refractive index measurements of a germanium sample (E), AO 17: 1066
- Eerkens, Jeff W.**
- New nomenclature for photon wavenumber (L), AO 13: 1537
- Spectral considerations in the laser isotope separation of uranium hexafluoride (A), JOSA 66: 78
- Eesley, G. L.**
- ; Levenson, Marc D.: Coherent, nonlinear two-phonon Raman spectra of diamond (E), OL 3: 178
- Eftimiopoulos, T.** See Garside, B. K., AO 18: 3053
- ; Garside, B. K.: Dye gain measurement technique based on spectral linewidth narrowing (A), JOSA 67: 1425
- ; Garside, B. K.: High-energy short-pulse flashlamps: operating characteristics (ET), AO 16: 70
- Egan, Jack**
- How many surprises developed during the Kodak case (N), AO 17: 2265
- Egan, W. G.**
- ; Hilgeman, T.: Integrating-sphere measurements for quasi-specular samples (A), JOSA 64: 547
- ; Hilgeman, T.: Integrating spheres for measurements between 0.185 μm and 12 μm (E), AO 14: 1137
- ; Hilgeman, T.: Retroreflectance measurements of photometric standards and coatings (A), JOSA 65: 1211
- ; Hilgeman, T.: Retroreflectance measurements of photometric standards and coatings—II (A), JOSA 67: 252
- ; Hilgeman, T.: Retroreflectance measurements of photometric standards and coatings (E), AO 15: 1845
- ; Hilgeman, T.: Retroreflectance measurements of photometric standards and coatings, part 2 (E), AO 16: 2861
- ; Hilgeman, T.: Retroreflectance properties of photometric standards with polarized laser radiation (A), JOSA 69: 1415
- ; Hilgeman, T.: Spectral reflectance of particulate materials: a Monte Carlo model including asperity scattering (TE), AO 17: 245
- Egashira, K.** See Kinoshita, Kyoichi, AO 17: 1210; Kobayashi, Morio, AO 17: 486
- ; Kobayashi, Morio: Analysis of thermal conditions in CO<sub>2</sub> laser splicing of optical fibers (TE), AO 16: 2743
- ; Kobayashi, Morio: Optical fiber splicing with a low-power CO<sub>2</sub> laser (E), AO 16: 1636
- Egbert, W. C.** See Yen, W. M., JOSA 65: 1210
- ; Selzer, P. M.; Yen, W. M.: Pulsed dye laser applied to modulated spectroscopy magnetic circular dichroism (E), AO 15: 1158
- Egdall, I. M.**
- Cassegrain alignment using computer-derived adjustment parameters (A), JOSA 67: 1365
- Eggelston, J.** See Pummer, H., JOSA 68: 549
- Egger, H.** See Hawkins, R. T., JOSA 69: 1449
- Eggers, David F., Jr.**
- Vibrational Spectroscopy of Trapped Species. Edited by H. E. Hallam (B), JOSA 65: 101



- Eguchi, R. G.** See McAllister, G. L., AO 14: 1290
- Ehler, A. W.**  
—; Carpenter, James P.: Vacuum UV imaging of a laser-produced plasmas (A), JOSA 68: 547
- Ehn, Dennis C.**  
—; Nisenson, Peter: Astronomical speckle imaging (A), JOSA 65: 1196  
Calculation of phase error in the pupil from the point-spread function (A), JOSA 67: 1364
- ; Estes, Lee E.; Wetzstein, Hans: Computer simulation of isoplanatic effects on image phase conjugate laser adaptive control systems (A), JOSA 66: 391
- ; Silevitch, Michael B.: Diffusion model for the adjacency effect in viscous development (TE), JOSA 64: 667
- Ehrlich, D. J.** See Deutsch, T. F., OL 4: 378; Osgood, R. M., Jr., JOSA 69: 1449
- ; Deutsch, T. F.; Osgood, R. M., Jr.: Electronic material processing using UV laser photochemistry (A), JOSA 69: 1461
- ; Osgood, R. M., Jr.: Studies of electronically excited Hg<sub>2</sub> for use as a laser storage medium (A), JOSA 68: 711
- ; Moulton, Peter F.; Osgood, R. M., Jr.: Ultraviolet solid-state Ce:YLF laser at 325 nm (E), OL 4: 184
- Eichenbaum, B. R.** See Stone, F. T., AO 17: 2484
- Eichler, H. J.**  
—; Langhans, D.; Klein, U.: Quenching of two-photon fluorescence and stimulated anti-Stokes emission in rhodamine solutions (E), AO 18: 1383
- Eichler, J.**  
—; Lenz, H.: Laser applications in medicine and biology: a bibliography, AO 16: 27
- Eichmann, G.**  
—; Stirbl, R.; Keybl, J.: Hybrid white-light video filtering for real-time digital color image transmission (A), JOSA 69: 1435
- ; Mammone, R.: Optical super-resolution using prolate spheroidal wave-function filtering (A), JOSA 69: 1442
- Eiden, Reiner.** See Bullrich, Kurt, JOSA 67: 1171  
Fourier representation of the energy distribution of an electromagnetic field scattered by spherical particles (T), AO 14: 2486
- Einfeld, D.** See Bridges, J. M., AO 16: 1788
- Einstein, F. S.** See DeAcetis, Louis A., AO 15: 1113
- ; Juliano, R. A., Jr.; DeAcetis, Louis A.; Lazar, Irving: Experimental investigation of the far-field diffraction by a semi-infinite plane of variable thickness: Parallel polarization (ET), JOSA 69: 24
- Eisenrith, K. H.** See Aulich, H. A., JOSA 67: 706, AO 17: 170
- Eisenstein, B. L.** See Caudell, T. P., AO 18: 1305
- Eisenstein, D. R.** See Caudell, T. P., AO 18: 1305
- Eisner, Alvin.** See Nagy, Allen L., JOSA 69: 1420
- ; MacLeod, Donald I. A.: MDB and flicker photometry with chromatic adaptation (A), JOSA 68: 1392
- Ek, Leif**  
—; Biedermann, Klaus: Analysis of a system for hologram interferometry with a continuously scanning reconstruction beam, AO 16: 2535
- ; Biedermann, Klaus: Implementation of hologram interferometry with a continuously scanning reconstruction beam (ET), AO 17: 1727
- Ekiert, Stanley E.** See Parr, Philip C., JOSA 69: 1405  
Threshold modulation equation for charge-coupled device (CCD) imagers (A), JOSA 69: 1428
- Eklund, Hans**  
Signal distortion due to beam-pointing error in a chopper modulated laser system (ET), AO 17: 289
- Eklund, T. I.** See Dobbins, R. A., AO 16: 281
- Elachi, Charles.** See Jaggard, D. L., JOSA 66: 673
- ; Yeh, Cavour: Distribution networks and electrically controllable couplers for integrated optics (T), AO 13: 1372
- ; Evans, Gary; Grunthner, F.: Proposed distributed feedback crystal cavities for x-ray lasers (T) (L), AO 14: 14
- ; Evans, Gary; Yeh, Cavour: Transversely bounded DFB lasers (T), JOSA 65: 404
- El-Arini, M. B.** See Lehn, W. H., AO 17: 3146
- El Badawy, El S.** See Leblond, J., AO 14: 902
- Elbaum, Marek.** See Jao, Jen King, JOSA 67: 1368, JOSA 67: 1266; King, Marvin, JOSA 66: 180
- ; Greenebaum, Michael: Annular apertures for angular tracking (T), AO 16: 2438
- ; Edelson, William; Diamant, Paul; King, Marvin: Estimation of angular positions of actively illuminated objects from their images (A), JOSA 65: 1204
- ; Diamant, Paul: Estimation of image centroid, size, and orientation with laser radar (T), AO 16: 2433
- ; Orenstein, Nathan; Raghavan, Raghu: Estimation of object position from image (A), JOSA 69: 1443
- ; Diamant, Paul; King, Marvin; Edelson, William: Maximum angular accuracy of pulsed laser radar in photocounting limit (T), AO 16: 1982
- ; Teich, Malvin Carl: Optimal condition for pulsed heterodyne detection of random signals (A), JOSA 68: 1421
- ; Diamant, Paul; King, Marvin: Signal-to-noise ratio in images of partially coherent objects (A), JOSA 65: 1198
- ; Diamant, Paul: Signal-to-noise ratio in photocounting images of rough objects in partially coherent light (T), AO 15: 2268
- Elbers, Don C.** See Thomason, William H., JOSA 64: 1359
- ; Thomason, William H.; Macomber, James D.: Infrared pulse contours obtained with an inexpensive detector (E), AO 17: 308
- Elci, Ahmet.** See Scully, Marlan O., JOSA 66: 1083
- Elder, Robert L.**  
Laser protective eyewear (R), AO 13: 725
- Eldering, Herman G.**  
Normalized fluorescence spectra (A), JOSA 66: 1064
- ; Webb, W. A.: Two-dimensional oil-film fluorescence spectra (A), JOSA 64: 547
- Elgin, J. N.**  
—; New, G. H. C.; Smith, P. R. C.: Theory of two-photon resonant third harmonic generation with ultrashort pulses (A), JOSA 68: 707
- El-Hosseiny, F.**  
Methods for determining the optical parameters of elliptic retarders (TE), JOSA 65: 1279
- Elias, L. R.** See Deacon, D. A. G., JOSA 67: 1369
- Eliasson, B.** See Daendliker, Rene, JOSA 64: 1381
- Eliezer, S.** See Arad, B., JOSA 68: 544
- Elkow, Robert M.**  
—; Wisner, George R.: Correction of secondary intensity maxima in a hill climbing, multidither, adaptive optical system (A), JOSA 69: 1465
- Ellingson, O. L.** See Peterson, R. W., JOSA 64: 537
- Ellinwood, J. W.**  
—; Mirels, H.: Density perturbations in transonic sluing laser beams (T), AO 14: 1113
- Elliott, K. H.**  
Defects in commercial interference filters (E) (L), AO 16: 2799
- Elliott, Richard A.** See Lee, Myung Hun, JOSA 66: 1389; Pincus, Philip A., JOSA 68: 756
- ; Kerr, J. Richard; Pincus, Philip A.: Controlled simulation of turbulence effects on optical propagation (A), JOSA 68: 1369
- ; Shaw, John B.: Electrooptic streak camera: theoretical analysis (T), AO 18: 1025
- ; Kerr, J. Richard; Pincus, Philip A.: Optical propagation in laboratory-generated turbulence (E), AO 18: 3315
- ; Kerr, J. Richard; Dunphy, James R.: Statistical tests of distributional hypotheses applied to irradiance fluctuations (A), JOSA 68: 540
- ; Shaw, John B.: Streaking of a light beam by an electro-optically induced traveling lens (E), OL 4: 49
- ; Shaw, John B.: Ultrafast electro-optical beam deflectors (A), JOSA 68: 1450
- Weak refractive scattering: a model system (T) (L), JOSA 69: 1036
- Ellis, Howard T.** See Fegley, Ronald W., AO 14: 1751
- Ellis, Steven R.** See White, Keith D., JOSA 65: 1200
- Elmer, William B.**  
Optical design of reflectors. part 1 (TE) (L), AO 17: 673
- Optical design of reflectors. part 2 (TE) (L), AO 17: 977
- Optical design of reflectors. part 3 (T) (L), AO 17: 1308
- Optical design reflectors: part 3; reply to comments (T) (L), AO 17: 3706
- Eloranta, E. W.** See Twitty, J. T., AO 15: 980
- Elsharkawi, A. R.**  
—; Kao, Kwan C.: Study of the optical properties of anthracene thin films by ellipsometry (TE), JOSA 65: 1269
- Elshazly-Zaghoul, M.** See Azzam, R. M. A., AO 14: 1652
- ; Azzam, R. M. A.: Pseudo-Brewster angles of surfaces of transparent and absorbing uniaxial crystals (A), JOSA 69: 1474
- ; Azzam, R. M. A.: Reflection ellipsometry applied to uniaxial crystals (A), JOSA 67: 1443
- Elsherbiny, M. M.** See Reid, John, JOSA 68: 637, AO 17: 1806; Shewchun, J., AO 15: 340
- ; Ballik, E. A.; Shewchun, J.; Garside, B. K.; Reid, John: High sensitivity point monitoring of ozone, and high resolution spectroscopy of the  $\nu_3$  band of ozone using a tunable semiconductor diode laser (E), AO 18: 1198
- Elsner, Ann E.** See Burns, Stephen A., JOSA 69: 1406
- Elson, J. M.** See Bennett, H. E., JOSA 67: 254  
Diffraction and diffuse scattering from dielectric multilayers (T), JOSA 69: 48
- Infrared light scattering from surfaces covered with multiple dielectric overlayers (A), JOSA 67: 253
- Infrared light scattering from surfaces covered with multiple dielectric overlayers (T), AO 16: 2872
- Light scattering from surfaces with a single dielectric overlayer (TE), JOSA 66: 682
- ; Bennett, Jean M.: Relation between the angular dependence of scattering and the statistical properties of optical surfaces (TE), JOSA 69: 31
- Elsworth, Yvonne P.**  
Interferometers for the testing of high-power laser wave fronts (A), JOSA 69: 1404
- Elterman, Louis**  
Aerosol measurements since 1973 for normal and volcanic stratospheres (E) (L), AO 15: 1113
- Stratospheric aerosol parameters for the Fuego volcanic incursion (ET) (L), AO 14: 1262
- Elterman, Paul B.**  
Brewster angle light trap (E) (L), AO 16: 2352
- Elton, R. C.** See Palumbo, Louis J., JOSA 67: 480; Reintjes, J. F., JOSA 67: 251, OL 3: 40  
Extension of  $3p$  yields  $3s$  ion lasers into the vacuum ultraviolet region (TE), AO 14: 97
- ; Dixon, R. H.: Gain-verification problem in extreme ultraviolet lasing (E), OL 2: 100
- ; Dixon, R. H.: Interpretation of gain experiments at 58 Å (A), JOSA 67: 1384
- Quasi-stationary population inversion on  $K_\alpha$  transitions (TE), AO 14: 2243
- Eman, B.** See Henc-Bartolic, Vianja, JOSA 64: 1720
- Emerald, Robert**  
Electrostatics and electrophotography sessions, IEEE/IAS annual conference, Atlanta, 29 Sep-2 Oct 1975 (M), AO 15: 301
- Emerson, L. C.** See Birkhoff, R. D., JOSA 67: 564
- Emerson, Phillip L.**  
—; Semmelroth, Carl C.: Filter model for lightness and brightness on different backgrounds (T), JOSA 65: 1101
- Emkey, W. L.**  
—; Meyers, P. V.; Van Sciver, W. J.: Anisotropic intrinsic photoluminescence in NaI (E), JOSA 66: 264
- Emmel, P. M.** See Leung, K. M., JOSA 68: 1416
- ; Leung, K. M.; Anderson, R. H.; Bernal G., Enrique; Wyant, James C.: Holographic and shearing interferometer for routine optical testing including aspherics (A), JOSA 68: 1416
- Emmett, John L.**  
Approaches to extremely high-power, high-energy laser systems (A), JOSA 68: 542
- Future developments in laser fusion systems (A), JOSA 69: 1437
- Physics and engineering of high-power laser systems (A), JOSA 66: 388



- Problems of very-high-power generation (A), JOSA 64: 543
- Emmons, G. H.** See Tubbs, L. D., JOSA 65: 1169
- Emslie, A. G.** See Aronson, James R., AO 18: 2622
- Eng, D.** See Pomerantz, Oleg, JOSA 65: 1210
- Eng, J.** See Dobrowolski, J. A., AO 16: 1491
- Eng, R. S.** See Reddy, S. Paddi, AO 18: 1350; Wahlen, M., AO 16: 2350
- ; Mantz, Arlan W.; Todd, T. R.: Improved sensitivity of tunable-diode-laser open-path trace gas monitoring systems (E), AO 18: 3438
- ; Mantz, Arlan W.; Todd, T. R.: Low-frequency noise characteristics of Pb-salt semiconductor lasers (E), AO 18: 1088
- ; Nill, K. W.; Wahlen, M.: Tunable diode laser spectroscopic determination of  $\nu_3$  band center of  $^{14}\text{C}^{16}\text{O}_2$  at 4.5  $\mu\text{m}$  (ET) (L), AO 16: 3072
- ; Petagna, G.; Nill, K. W.: Ultrahigh ( $10^{-4}$  cm $^{-1}$ ) resolution study of the 8.2- $\mu\text{m}$  and 11.3- $\mu\text{m}$  bands of  $\text{H}_2\text{SO}_4$ : accurate determination of absorbance and dissociation constants (ET), AO 17: 1723
- Engel, A.** See Tschudi, Theo, AO 13: 245
- ; Steffen, J.; Herziger, G.: Laser machining with modulated zone plates (ET), AO 13: 1088
- Engel, Jack L.** See Chase, Stillman C., Jr., AO 17: 1243, AO 17: 2132
- Engelbrecht, R. S.** See Knop, K., JOSA 68: 1405
- ; Gale, M. T.; Knop, K.: Image recording and display by embossable surface-relief structures (A), JOSA 66: 381
- Engelen, Jan J.**  
Parallax based determination of fringe localization in holographic interferometry (A), JOSA 68: 1440
- Engleman, Rolf, Jr.** See Keller, Richard A., JOSA 69: 738; Zalewski, Edward F., JOSA 68: 1389
- ; Radziemski, Leon J., Jr.: Instant spectroscopy in the visible, ultraviolet, and vacuum ultraviolet with Polaroid film (E) (L), AO 14: 2821
- ; Palmer, Byron A.: Isotope shifts for neutral uranium with a Fourier transform spectrometer (A), JOSA 68: 1447
- Englisch, W.** See Boscher, J., AO 17: 3347
- Engstrom, Ralph W.**  
Quantum efficiency of the eye determined by comparison with a TV camera (E), JOSA 64: 1706
- Ennos, A. E.** See Kaufmann, G. H., JOSA 69: 1422
- Ennulat, R. D.**  
Thermal imaging with pyroelectric vidicons (A), JOSA 66: 389
- Enoch, Jay M.** See Bedell, Harold E., JOSA 69: 435; Birch, David G., JOSA 69: 1478
- ; Tobey, Frank L., Jr.: Use of the waveguide parameter  $V$  to determine the difference in the index of refraction between the rat rod outer segment and the interstitial matrix (E), JOSA 68: 1130
- ; Bedell, Harold E.; Tobey, Frank L., Jr.: Vertebrate retinal receptor optics (A), JOSA 67: 1362
- Enright, G. D.** See Baldis, H. A., JOSA 67: 1396; Pedosejevs, R., JOSA 68: 660
- ; Burnett, N. H.; Baldis, H. A.; Richardson, M. C.; Corkum, P. B.: Stimulated Brillouin scattering from underdense plasmas (A), JOSA 67: 1409
- Ensor, David S.** See Porch, William M., AO 14: 400
- Eppeldauer, G.**  
—; Graner, J.; Schanda, J.; Vanyek, U. M.: Relative spectral sensitivity distribution measurements of photoreceivers (E), AO 16: 255
- Epps, Harland W.** See Gurski, Thomas R., AO 17: 1238
- Epstein, A.** See Schnopper, H. W., AO 16: 1088
- Epstein, A. S.** See Blake, K., AO 13: 1272
- Epstein, D. J.** See Paik, W. H., AO 17: 899
- Epstein, Gabriel L.** See Reader, Joseph, JOSA 65: 638
- ; Reader, Joseph: Extended analysis and  $4s4p^4d$  configuration of Y IV (A), JOSA 66: 1068
- ; Reader, Joseph: Resonance lines and energy levels of Cs III, Ba IV, and La V (ET), JOSA 66: 690
- ; Reader, Joseph: Spectrum and energy levels of triply ionized lanthanum (La IV) (TE), JOSA 69: 511
- ; Reader, Joseph: Spectrum of doubly ionized yttrium (Y III) (E), JOSA 65: 310
- ; Reader, Joseph: Spectrum of doubly ionized yttrium (Y III) (E) (errata), JOSA 66: 981
- Epstein, L. Ivan**  
—; Toler, Joseph R.: Coma of the eye (A), JOSA 64: 1372
- Design of optical filters. Part 2 (T) (L), AO 18: 1478
- Paradoxa aus der Optik. By Gunter Schulz (B), JOSA 65: 102
- Epstein, M. See Ho, P. S., AO 14: 2598; Marhic, M. E., AO 17: 3503; Schacham, S. E., AO 16: 1041, AO 17: 459, AO 17: 3818**
- Epstein, Michael**  
Trace Analysis: Spectroscopic Methods for Elements. Edited by J. D. Winefordner (B), AO 16: 9
- Epton, P. J.**  
—; Wilson, W. L., Jr.; Tittel, F. K.; Rabson, Thomas A.: Frequency measurement of the formic acid laser 311- $\mu\text{m}$  line (E) (L), AO 18: 1704
- Erb, W.**  
Requirements for reflection standards and the measurement of their reflection values (ET), AO 14: 493
- Erben, K. D.** See Born, G. K., AO 14: 2857
- Erdmann, Joachim C.**  
—; Gellert, Robert L.: Recurrence rate correlation in moving laser speckle (A), JOSA 67: 1390
- ; Gellert, Robert L.: Speckle field of curved, moving surfaces of Gaussian roughness (A), JOSA 66: 635
- ; Gellert, Robert L.: Speckle field of curved rotating surfaces of Gaussian roughness illuminated by a laser light spot (TE), JOSA 66: 1194
- Erez, G.** See Miron, E., JOSA 69: 256
- Erf, Robert K.**  
Engineering uses of coherent optics, conference and exhibition, University of Strathclyde, 8-11 Apr 1975 (M), AO 14: 2028
- Erickson, D. C.** See Massey, G. A., AO 14: 2712
- Erickson, Edward F.** See Augason, G. C., AO 14: 2146
- Fourier-transform spectroscopy in astronomy (A), JOSA 64: 1357
- Erickson, Edward G.**  
—; Reynolds, Richard S.: Picosecond-pulse, fieldable frequency-doubled Nd:YAG laser system for ultraprecision ranging (A), JOSA 66: 380
- Erickson, J.** See Goodman, Joseph W., JOSA 68: 1414
- Erickson, N. R.**  
Off-axis mirrors made using a conventional milling machine (E) (L), AO 18: 956
- Eriksson, K. B. S.**  
Transitions between the levels of the ground configuration in Te II (E) (L), JOSA 64: 1272
- Eringen, A. Cemal.** See Hajdo, Leslie E., JOSA 69: 1017, JOSA 69: 1509
- Erkkila, John H.** See Paxton, Alan H., OL 1: 166
- Erler, J. W.** See Aukerman, L. W., OL 1: 178
- Erman, P.** See Curtis, L. J., JOSA 67: 1218
- Ernst, G. J.**  
—; Boer, A. G.: Rapid TEA  $\text{CO}_2$  laser with high power output (A), JOSA 68: 673
- Ernst, G. K.** See Kasper, J., JOSA 68: 1357; Pollock, C. R., AO 18: 1907
- Ernst, W. E.** See Kasper, J., JOSA 68: 1357; Pollock, C. R., AO 18: 1907
- ; Tittel, F. K.; Marowsky, G.; Wilson, W. L., Jr.: Spectroscopic studies of electron-beam-pumped Ar-N $_2$  laser characteristics (A), JOSA 68: 1356
- Erskine, J. L.**  
—; Blake, G. A.; Flaten, C. J.: Optical properties of Gd, Dy, and Tb (E), JOSA 64: 1332
- Ersoy, O.**  
—; Spielkavik, B.; Lovaas, K.: Lucite as a recording material in SEM holography (E) (L), AO 14: 21
- Virtual holography: a method of source and channel encoding and decoding of information (TE), AO 18: 2543
- Erteza, Ahmed**  
Active autofocusing using an apertured Gaussian beam (TE), AO 15: 2095
- Boreighting a Gaussian beam on a specular target point: method using conical scan (TE), AO 15: 656
- Depth of convergence of a sharpness index autofocus system (TE), AO 16: 2273
- Sharpness index and its application to focus control (TE), AO 15: 877
- Eschard, G.**  
—; Polaert, R.; Roaux, E.: Comparison between two methods of SNR measurement of image tubes (E) (L), AO 13: 2187
- Escobar, D. E.** See Gausman, H. W., AO 13: 109
- Esherrick, Peter.** See Armstrong, John A., JOSA 67: 1417, JOSA 69: 211
- ; Wynne, James J.; Armstrong, John A.: Spectroscopy of  $^3\text{P}^0$  states of alkaline earths (E), OL 1: 19
- Esho, Sotaro**  
—; Noguchi, Shigeo; Ono, Yuzo; Nagao, Morimasa: Optimum thickness of MnBi films for magneto-optical memory (E), AO 13: 779
- Esplin, Mark**  
—; Hansen, Peter; Sakai, Hajime: Infrared spectrum of atomic oxygen (A), JOSA 69: 1411
- Esplin, Roy W.** See Wyatt, Clair L., AO 13: 2651
- Esposito, John J.**  
Evanescent wave coupling in fiber optic connectors: an observation (E) (L), AO 18: 1292
- Esposito, R. R.** See Saito, Theodore T., OL 2: 19
- Esselborn, R.** See Stetter, F., JOSA 66: 634, AO 15: 2315
- Estabrook, K. G.** See Barnes, C., JOSA 68: 543
- Estalote, Edward A.** See Ramanathan, K. G., JOSA 67: 251, AO 16: 2810
- ; Ramanathan, K. G.: Low-temperature emissivities of copper and aluminum (E), JOSA 67: 39
- Esterowitz, L.** See Bartoli, F. J., JOSA 67: 254, AO 14: 2499, AO 15: 2016, AO 16: 2934, AO 18: 3365
- Estes, Lee E.** See Ehn, Dennis C., JOSA 66: 391
- Image extraction from speckle patterns (A), JOSA 66: 177
- ; Lucy, Robert F.; Gunter, John; Duval, Kenneth: Internal thermal noise in optical frequency converters (TE), JOSA 64: 295
- ; Boucher, Richard H.: Temporal- and spatial-intensity-interferometer imaging through a random medium (ET), JOSA 65: 760
- Esteve, J. M.** See Kumar, Vijay, AO 15: 1856
- Estevez, O.** See Cavanaugh, C. R., JOSA 65: 966
- ; Cavanaugh, C. R.: Modulation sensitivity of human color mechanisms (E) (L), JOSA 66: 1436
- Perceptual basis of brightness and luminance measurements (A), JOSA 67: 1379
- Ettenberg, M.** See Burke, W. J., AO 17: 2233
- Etzold, K.** See Mezrich, R., AO 15: 1499
- Eu, James Kim-Tzong.** See Almeida, Silverio P., AO 15: 510, AO 17: 163
- Eubanks, A. G.** See Viehmann, W., AO 14: 2104
- ; McGarrity, J. M.; Silverman, Joseph: Luminescence of powdered uranium glasses (E), JOSA 64: 1194
- Evans, B. D.**  
Fibers and integrated optics, SPIE/SPSE Technical Symposium East: seminar 3, 21-23 Mar 1976 (M), AO 15: 1664
- Evans, C. S.**  
—; Hunneman, R.; Seeley, J. S.; Whatley, A.: Filters for  $\nu_2$  band of  $\text{CO}_2$ : monitoring and control of layer deposition (R), AO 15: 2736
- Evans, Daniel D.**  
Computation of angular functions  $\pi_n$  and  $\tau_n$  occurring in Mie theory: comment on (T) (L), AO 13: 1545
- Evans, David W.** See Ginsburg, Arthur P., JOSA 69: 1443
- Evans, Gary.** See Elachi, Charles, AO 14: 14, JOSA 65: 404
- Evans, W. F. J.** See Cann, M. W. P., AO 18: 964
- Even, Uzi.** See Ophir, Zohar, JOSA 64: 1175
- Evenson, Kenneth M.** See Baird, K. M., OL 4: 263; Inguscio, Massimo, OL 4: 9; Jennings, D. A., OL 4: 129; Petersen, F. R., JOSA 64: 1380, JOSA 67: 1398; Scalabrin, Artemio, OL 4: 277
- ; Jennings, D. A.; Mucha, J. A.; Howard, Carleton J.; Hough, Jon T.: Far-infrared laser magnetic resonance of free radicals (A), JOSA 67: 1387
- Everett, Robert L.** See Batten, George W., Jr., JOSA 68: 1407, JOSA 68: 1118
- Synthesis of average film transmission functions (TE), JOSA 68: 1113



- Evers, W. See Breaux, H., AO 18: 2638
- Eversole, R. A. See Reiss, N. M., JOSA 67: 257
- Ewan, B. C. R.  
Holographic particle velocity measurement in the Fraunhofer plane (ET), AO 18: 623  
Particle velocity distribution measurement by holography (ET), AO 18: 3156
- Ewanizky, Theodore F.  
—; Craig, J. M.: Negative-branch unstable resonator Nd:YAG laser (E), AO 15: 1465  
Ray-transfer-matrix approach to unstable resonator analysis (T), AO 18: 724
- Ewing, J. J. See Monsler, Michael J., JOSA 68: 546; Powell, H. T., JOSA 68: 548, JOSA 68: 711
- Eyerly, Howard W. See Chase, Stillman C., Jr., AO 17: 1243, AO 17: 2132
- Eyges, Leonard. See Nelson, Arthur R., JOSA 66: 254  
Fiber optic guides of noncircular cross section (T) (L), AO 17: 1673  
—; Wintersteiner, P.; Gianino, Peter D.: Modes of dielectric waveguides of arbitrary cross sectional shape (T), JOSA 69: 1226
- Eyring, Edward M. See Farrow, Michael M., AO 17: 1093
- Ezekiel, Shaoul. See Hackel, L. A., JOSA 64: 529, JOSA 64: 1387; Wu, F. Y., JOSA 64: 553  
—; Hackel, R. P.; Kare, J.: High-sensitivity and high-resolution spectroscopy in a ring cavity (A), JOSA 68: 647  
Laser Devices and Applications. Edited by I. P. Kaminow and A. E. Siegman (B), AO 14: 2349
- Fabian, W.  
—; Nicholls, Ralph W.; Card, D. B.; Bunn, F. E.: Spectroscopic identification of NO<sub>2</sub> in the atmospheric brown haze over Toronto (A), JOSA 67: 1363
- Fabre, E.  
Laser fusion research in France (A), JOSA 68: 548
- Fadeev, V. Ya. See Veretennikov, V. V., OL 4: 411
- Fahlen, Theodore S.  
High-power gas lasers (A), JOSA 66: 383
- Fairall, C. W. See Davidson, K. L., JOSA 68: 539; Houlihan, T., JOSA 68: 539; Schacher, G., JOSA 68: 539  
—; Markson, Ralph: Measurements of altitude dependence of atmospheric turbulence (A), JOSA 68: 539
- Fairbank, W. M., Jr. See She, C. Y., OL 2: 30  
—; Schawlow, Arthur L.; Haensch, Theo W.: Absolute measurement of very low sodium-vapor densities using laser resonance fluorescence (E), JOSA 65: 199  
—; Pan, C. L.; She, C. Y.: Measuring the velocity of single atoms in real time (A), JOSA 68: 657  
—; Hlousek, L.; Collins, George J.: Two-photon spectroscopy in helium (A), JOSA 68: 1411
- Fairchild, Ronald C. See Latta, John N., JOSA 64: 552  
—; Fienup, James R.: Holographic optical elements recorded with arbitrary wave fronts (A), JOSA 69: 1429
- Falciaï, R. See Brenci, M., AO 16: 3083, AO 16: 3084; Checacci, P. F., OL 2: 25, JOSA 66: 494, JOSA 69: 1255; Scheggi, A. M., JOSA 65: 1022, JOSA 65: 1050
- Falcone, Patricia Kuntz. See Hanson, Ronald K., AO 17: 2477
- Falcone, R. W. See Green, W. R., OL 2: 115; Harris, S. E., JOSA 68: 675  
—; Willison, J. R.; Young, J. F.; Harris, S. E.: High-resolution vacuum ultraviolet spectroscopy using a spontaneous anti-Stokes light source (A), JOSA 68: 1422  
—; Willison, J. R.; Young, J. F.; Harris, S. E.: Measurement of the He 1s2s <sup>1</sup>S<sub>0</sub> isotopic shift using a tunable VUV anti-Stokes light source (E), OL 3: 162
- Falconer, David G.  
—; Peppers, Norman A.; Kottler, Michael S.; Rosenthal, A. Ralph: Twin-prism separator for retinal stereophotography (E) (L), AO 15: 29
- Falconer, Warren E.  
Critical Evaluation of Chemical and Physical Structural Information. Edited by David R. Lide, Jr., and Martin A. Paul (B), AO 15: 562
- Falicov, L. M.  
Electronic Structure of Noble Metals and Polariton-Mediated Light Scattering. By B. Lengeler and B. Bendow (B), AO 17: 3853
- Falk, Joel. See See, Y. C., JOSA 69: 1476
- Falkner, Rebecca. See Coleman, Howard S., JOSA 64: 1359
- Faller, J. E. See Ghigo, F. D., AO 15: 2621
- Fan, B. See Yee, T. K., AO 18: 1131, AO 18: 2542  
—; Grischkowsky, D.; Lurio, Allen: Hyperfine spectroscopy of <sup>6</sup>Li<sup>+</sup> (E), OL 4: 233
- Fan, John C. C.  
—; Bachner, Frank J.: Transparent heat mirrors for solar-energy applications (ET), AO 15: 1012
- Fang, Y. K. See Su, Y. K., AO 18: 3510
- Fannin, Bill B. See Bartell, Frederick O., JOSA 66: 1097
- Fano, U.  
Unified treatment of perturbed series, continuous spectra and collisions (T), JOSA 65: 979
- Fante, Ronald L.  
Effect of source temporal coherence on light scintillations in weak turbulence (T), JOSA 69: 71  
Irradiance scintillations: comparison of theory with experiment (TE), JOSA 65: 548  
Method for processing stellar speckle data (T): comments (L), JOSA 69: 1394  
Mutual coherence function and frequency spectrum of a laser beam propagating through atmospheric turbulence (T), JOSA 64: 592  
Results for the variance of the irradiance of a finite beam in a random medium (T) (L), JOSA 65: 608  
Results on the effect of turbulence on phase-compensated systems (T), JOSA 66: 730  
Results on the imaging of incoherent sources through turbulence (T), JOSA 66: 574  
Scintillations in strong turbulence for finite laser spectral widths (A), JOSA 68: 540  
Two-source spherical-wave structure functions in atmospheric turbulence (T) (L), JOSA 66: 74
- Fantone, Stephen D. See Yap, B. K., JOSA 64: 978  
Introduction to the Physical Chemistry of the Vitreous State. Edited by P. Balta and E. Balta (B), JOSA 67: 984  
—; Moore, Duncan T.: Lens design using spherical gradients (A), JOSA 67: 1428  
Measurement of bulk scatter using optical heterodyne detection (A), JOSA 68: 1417  
—; Moore, Duncan T.: Modeling and fabrication of gradient index glass (A), JOSA 66: 1119  
—; Moore, Duncan T.; Ryan, Danette P.: Optical properties of gradient index materials (A), JOSA 66: 1119  
—; Moore, Duncan T.: Refractive index and spectral modeling of gradient index materials (A), JOSA 68: 1396  
Theory of Electromagnetic Waves. By J. A. Kong (B), JOSA 66: 397
- Farcy, J. C.  
—; Friart, D.; Pezot, J.; Guyot, J. C.; Beaupere, D.: Smooth pulse oscillator for iodine laser (A), JOSA 68: 549
- Farhat, Nabil H. See Mandelkorn, Fred, JOSA 64: 559, JOSA 64: 402; Wu, M. H., JOSA 65: 1195  
Principles of broad-band coherent imaging (T), JOSA 67: 1015
- Farich, R. F. See Choyke, W. J., AO 15: 2006
- Farina, J. D. See Narducci, Lorenzo M., JOSA 68: 1420, JOSA 69: 1430  
—; Narducci, Lorenzo M.; Collett, Edward: Generation of highly directional beams from quasi-homogeneous optical sources (A), JOSA 69: 1414
- Faris, J. L. See Hillman, J. J., OL 1: 81, AO 18: 1808
- Farley, John W.  
—; MacAdam, Keith B.; Wing, William H.: Completely resolved fine structure in D, F, and G Rydberg states of <sup>4</sup>He (A), JOSA 69: 1410  
—; Johnson, August H.; Wing, William H.: Microcomputer-controlled microwave-optical spectrometer (A), JOSA 69: 1408
- Farmer, C. B. See Breckinridge, James B., JOSA 68: 1390
- Farmer, W. Michael  
Application of Holography and Optical Data Processing. Edited by E. Marom, A. A. Friesem, and E. Wiener-Avnear (B), AO 17: 173
- Information Mechanics. By Fredrick W. Kantor (B), AO 17: 1480
- Linear Systems, Fourier Transforms, and Optics. By Jack D. Gaskill (B), AO 18: 1128  
—; Hornkohl, J. O.: Low-altitude environmental aerosol measurements with an airborne particle morphokinometer (A), JOSA 67: 258  
Observation of large particles with a laser interferometer (ET), AO 13: 610  
Sample space for particle size and velocity measuring interferometers (T), AO 15: 1984  
Two-dimensional Bragg cell LDV system using multiple light frequencies (E) (L), AO 17: 166
- Farnell, G. W. See Nemoto, S., AO 14: 1543
- Farnsworth, Archie V., Jr.  
—; Widner, Melvin M.; Chang, James; Leeper, Ramon J.; Baker, Louis; Olsen, John N.: Particle beam targets containing preheated fuel and magnetic fields (A), JOSA 68: 549
- Farnum, E. H. See Cranfill, B., JOSA 68: 550; Miller, J. R., JOSA 68: 550  
—; Maltrud, H. R.: Minimum-release, high-pressure DT film system for laser fusion targets (A), JOSA 68: 544
- Farone, W. A. See Kerker, Milton, AO 17: 3030
- Farrar, J. F.  
—; Mapunda, O. P.: Optical properties of the leaves of some African crop plants (E), AO 16: 248
- Farrar, R. A. See Gara, Aaron D., JOSA 69: 373
- Farrar, T. C.  
Fourier Transform NMR Spectroscopy. By Derek Shaw (B), AO 16: 2337
- Farrell, R. A. See Krill, J. A., JOSA 68: 768  
—; McCally, R. L.: On corneal transparency and its loss with swelling (E), JOSA 66: 342
- Farrow, L. A.  
—; Richton, R. E.: Extinction coefficient of the R<sub>1/2</sub>(25/2) NO transition at the 8-7 P(11) CO laser line (E) (L), AO 18: 597  
—; Richton, R. E.; Karnas, C. P.: Nitric acid vapor line parameters measured by CO laser transmittance (ET), AO 18: 76
- Farrow, Michael M.  
—; Burnham, Roger K.; Auzanneau, Max; Olsen, Steven L.; Purdie, Neil; Eyring, Edward M.: Piezoelectric detection of photoacoustic signals (E), AO 17: 1093
- Farrukh, Usamah O.  
—; Deepak, Adash; Box, Michael A.: Gaussian laser beam broadening in scattering medium (A), JOSA 69: 1412
- Fastie, William G. See Moos, H. W., AO 18: 1209; Mount, George H., AO 16: 591, AO 17: 3108  
—; Kerr, Donald E.: Spectroradiometric calibration techniques in the far ultraviolet: a stable emission source for the Lyman bands of molecular hydrogen (E), AO 14: 2133
- Fateley, W.  
—; Setser, D.: Chemical progress through Fourier transform spectroscopy (A), JOSA 66: 1082
- Fateley, William G.  
Assignments for Vibrational Spectra of 700 Benzene Derivatives. By G. Varsanyi (B), JOSA 65: 745  
—; Carlson, G. L.: Interferometric studies of internal rotation (A), JOSA 64: 1363
- Faubert, Denis. See Chin, S. L., JOSA 67: 1396  
—; Chin, S. L.: Subnanosecond pulse generation from a passively mode-locked ruby laser (E) (L), AO 18: 2347  
—; Chin, S. L.: Theory of passive pulse compression in a fluorescent dye medium (A), JOSA 66: 1074
- Faulstich, M. See Deutschbein, O., AO 17: 2228
- Faust, W. L.  
—; Goldberg, Lawrence S.; Royt, T. R.; Bradford, J. N.; Friebele, E. J.; Schnur, J. M.; Stone, P. G.; Weiss, R. G.: Short-pulse studies of the photolysis of nitromethane (A), JOSA 68: 639
- Favier, D. L. See Walters, Donald L., JOSA 69: 828
- Fawcett, B. C. See Bromage, G. E., JOSA 68: 48  
—; Hayes, R. W.: Spectra in the period between copper and bromine produced with the aid of a 4 GW laser (E), JOSA 65: 623  
Spectrum of Ca X and spectral observations of calcium, scandium, and titanium (ET) (L), JOSA 66: 632
- Faxvog, Fred R. See Roessler, David M., JOSA 68: 1358, AO 18: 1399, AO 18: 2099, JOSA 69: 1699  
—; Roessler, David M.: Carbon aerosol visibility vs particle size distribution (T), AO 17: 2612



- Detection of airborne particles using optical extinction measurements (ET), AO 13: 1913
- Optical scattering per unit mass of single particles (T) (L), AO 14: 269
- Particle light scattering and absorption on a per unit mass basis (A), JOSA 67: 1376
- ; Gara, Aaron D.: Traveling-wave gas laser (A), JOSA 64: 553
- Fayer, M. D. See Salcedo, J. R., JOSA 68: 1412; Salcedo, Jose, JOSA 66: 1074
- Febo, A.
- ; Magyar, G.: Sodium in laboratory atmosphere (E) (L), AO 15: 1380
- Feder, R. See Spiller, Eberhard, JOSA 66: 78
- Fedosejevs, R.
- ; Enright, G. D.; Tomov, I. V.; Richardson, M. C.: Optical diagnosis of radiation pressure effects in laser-produced plasmas (A), JOSA 68: 660
- Fedotowsky, Andre
- ; Lehovec, Kurt: Far field diffraction patterns of circular gratings (T), AO 13: 2638
- ; Lehovec, Kurt: Optimal filter design for annular imaging (T), AO 13: 2919
- ; Lehovec, Kurt: Spectral resolution of a zoneplate with circular sensor (T), AO 16: 222
- Fegley, Ronald W.
- ; Ellis, Howard T.: Optical effects of the 1974 stratospheric dust cloud (E) (L), AO 14: 1751
- Fehniger, Michael J.
- ; Distortion calculation of a curved focal surface (A), JOSA 64: 1359
- ; Hannon, J. J.: Glass inhomogeneity (E) (L), AO 14: 1761
- ; Jensen, Arthur E.: Interferometric calibration method for two-optic test systems (A), JOSA 64: 1370
- Feibelman, Walter A.
- ; Ultraviolet response of InGaAsP photocathodes (E) (L), AO 16: 800
- Feichtner, J. D. See Gottlieb, Milton, JOSA 68: 1449
- Fein, Michael E.
- ; Salisbury, Charles W.: Integrated construction of low-cost gas lasers (E), AO 16: 2308
- Feinberg, Jack. See Hamilton, D. S., OL 4: 124; Hellwarth, Robert W., JOSA 68: 689
- ; Heiman, D.; Hellwarth, Robert W.: Continuous wave generation of time-reversed waves in barium titanate (A), JOSA 68: 1367
- ; Heiman, D.; Hellwarth, Robert W.; Tanguay, A. R., Jr.: Four-wave and two-wave mixing: theory and experiments in barium titanate (A), JOSA 69: 1476
- ; Davis, Sumner P.: Molecular and atomic lifetime measurements (A), JOSA 66: 1071
- Feinberg, R.
- ; Hughes, H. G.: Marine boundary layer refractive effects in the infrared (E) (L), AO 18: 2532
- Feinleib, Julius. See Cone, Peter F., JOSA 65: 1212; Iwasa, Sato, JOSA 65: 1178
- Feiock, Frank D.
- ; Wave propagation in optical systems with large apertures (T), JOSA 68: 485
- Feit, M. D.
- ; Fleck, J. A., Jr.: Calculation of dispersion in graded-index multimode fibers by a propagating-beam method (T), AO 18: 2843
- ; Fleck, J. A., Jr.: Light propagation in graded-index optical fibers (T), AO 17: 3990
- Minimal dispersion refractive index profiles (T), AO 18: 2927
- Feke, Gilbert T. See Riva, Charles E., AO 18: 2301, AO 18: 2486
- Human retinal blood flow and laser velocimetry (A), JOSA 65: 1171
- ; Riva, Charles E.: Laser Doppler measurements of blood velocity in human retinal vessels (TE), JOSA 68: 526
- Fekete, Dan. See AuYeung, John, OL 4: 42; Pepper, David M., JOSA 68: 689, OL 3: 7; Yariv, Amnon, OL 4: 52
- Feld, M. S. See Burns, M., JOSA 66: 1125, AO 15: 672; Fulghum, S. F., Jr., JOSA 68: 1356; Murnick, D. E., JOSA 68: 649
- Feldman, Albert. See Horowitz, Deane, JOSA 64: 535; Waxler, Roy M., AO 16: 20, AO 18: 101
- Bistable optical systems based on Pockels cells (A), JOSA 68: 1448
- Bistable optical systems based on a Pockels cell (E), OL 4: 115
- ; Horowitz, Deane; Waxler, Roy M.: Photoelastic constants of potassium chloride at  $10.6\ \mu\text{m}$  (A), JOSA 67: 254
- ; Horowitz, Deane; Waxler, Roy M.: Photoelastic constants of potassium chloride at  $10.6\ \mu\text{m}$  (ET), AO 16: 2925
- Self-Focusing of Laser Beams. By M. S. Sodha, A. K. Ghatak, and V. K. Tripathi (B), AO 14: 1738
- Steady-state analysis of a modified bistable optical system (A), JOSA 69: 1421
- Feldman, B. J. See Babcock, R. V., JOSA 68: 543; Bergmann, Ernest E., OL 3: 82; Fisher, Robert A., JOSA 68: 656, JOSA 68: 1367, OL 1: 161, OL 4: 140; Lyman, John L., OL 3: 238; Wolfe, P. N., JOSA 68: 543
- ; Gitomer, Steven J.: Annular lens soft aperture for high power laser systems (T) (L), AO 15: 1379
- ; Gitomer, Steven J.: Annular lens soft aperture for high power laser systems: reply to comments (T) (L), AO 16: 1484
- ; Fisher, Robert A.; Bergmann, Ernest E.; Bigio, Irving J.: 2% Efficient phase-conjugate reflection in germanium at  $10.6\ \mu\text{m}$  (A), JOSA 68: 1628
- ; Fisher, Robert A.: Infrared phase conjugate reflection and amplification in inverted  $\text{CO}_2$  (A), JOSA 69: 372
- ; Fisher, Robert A.; Pollock, C. R.; Simons, S. W.; Tercovich, R. G.: Intense high-pressure sequence-band  $\text{CO}_2$  laser (E), OL 2: 16
- ; Fisher, Robert A.: Ultrashort  $\text{CO}_2$  laser-pulse generation using a Fabry-Perot interferometer (A), JOSA 67: 1404
- Feldman, Charles
- ; Physical Aspects of Electron Microscopy and Microbeam Analysis. Edited by B. M. Siegel and D. R. Beaman (B), AO 15: 560
- Feldman, Gordon
- ; Classical Field Theory. By D. E. Soper (B), AO 16: 537
- Feldman, Josef
- ; Chemicals for manufacture of fiber optics (A), JOSA 65: 1214
- Feldman, Mark
- ; Lebow, Paul; Raab, Fred; Metcalf, Harold J.: Improvements to a home-built nitrogen laser (E), AO 17: 774
- Feldman, P. D. See Beiting, E. J., III, AO 16: 800; Benesch, W., JOSA 68: 432; McNutt, D. P., AO 14: 1116
- Feldman, Uri. See Behring, William E., JOSA 66: 376, JOSA 66: 1141; Burkhalter, P. G., JOSA 64: 1058, JOSA 67: 741, JOSA 69: 1133
- ; Brown, Charles M.; Doschek, G. A.; Rosenberg, F. D.; Moore, Charlotte E.: Extreme ultraviolet spectrum of C I observed from Skylab during a solar flare (E), JOSA 66: 853
- Plasma diagnostics by spectroscopic means (A), JOSA 66: 1060
- ; Doschek, G. A.: Plasma diagnostic using high-resolution spectroscopic techniques (T), JOSA 67: 726
- Fellgett, P. B.
- ; Gee, A. E.: Null Ronchi test for aspherical surfaces: comment (E) (L), AO 14: 279
- Fellman, Jacob
- ; Lindblom, Peter: Premonochromator for stray light rejection in Raman spectroscopy (E), AO 16: 1085
- Fellows, D. See Zemon, S., JOSA 65: 1213, AO 14: 815, AO 15: 1936
- Fels, Stephen B.
- ; Simple strategies for inclusion of Voigt effects in infrared cooling rate calculations (T), AO 18: 2634
- Felsen, Leopold B. See Berton, Henry L., JOSA 68: 983, JOSA 68: 1787; Cho, S. H., JOSA 68: 1435, JOSA 68: 1435, JOSA 69: 563, JOSA 69: 1377; Choudhary, S., JOSA 67: 1192; Green, Arthur C., JOSA 69: 1503; Santana, C., JOSA 66: 1132, JOSA 68: 690, AO 15: 1470, AO 16: 1058, AO 17: 2239, AO 17: 2352; Shin, S. Y., JOSA 67: 699
- Alternative representations of Green's functions for the Helmholtz equation (T) (L), JOSA 65: 1525
- ; Navon, E.: Asymptotic theory of propagation in graded index fibers (A), JOSA 68: 1408
- Evanescent waves (R), JOSA 66: 751
- Geometrical Theory of Diffraction for Electromagnetic Waves. By Graeme L. James (B), AO 17: 498
- Felstead, E. B.
- ; Tenne-Sens, Andrew U.: Optical interpolation with application to array processing (TE), AO 14: 363
- Felton, T. B.
- ; Cooper, W. E.: Perception of rapidly-flickering gratings: induced orthogonal motion (A), JOSA 64: 1385
- Fender, Derek H.
- ; Fusion without eye movements (A), JOSA 68: 1413
- ; Santoro, Thomas P.: Spatiotemporal mapping of scalp potentials (E), JOSA 67: 1489
- ; Santoro, Thomas P.: Spatio-temporal mappings of scalp potentials (A), JOSA 65: 1209
- Fender, Janet
- ; Infrared calibration device with simultaneous multitemperature capabilities (A), JOSA 68: 1366
- ; Greynolds, Alan W.; Wolfe, William L.: Light scattering analysis application (A), JOSA 69: 1456
- Feng, D. H. See Narducci, Lorenzo M., JOSA 67: 1367
- Feng, Da Hsuan. See Narducci, Lorenzo M., JOSA 68: 1420, OL 2: 88
- Feng, Shih-yu. See Lai, Hon-ming, JOSA 66: 761; Su, Lin-kuan, JOSA 67: 846
- ; Lai, Hon-ming; Su, Lin-kuan: Phase holograms and the action of bleaching (T) (L), AO 16: 1800
- Fenichel, Henry. See Gabelmann-Gray, L., AO 18: 343
- Fenimore, E. E. See Cannon, T. M., AO 18: 1052
- Coded aperture imaging: predicted performance of uniformly redundant arrays (T), AO 17: 3562
- ; Cannon, T. M.: Coded aperture imaging with uniformly redundant arrays (ET), AO 17: 337
- ; Cannon, T. M.; van Hulsteyn, David B.; Lee, Ping: Uniformly redundant array imaging of laser driven compressions: preliminary results (E) (L), AO 18: 945
- Fenn, J. B. See Lee, El-Hang, AO 17: 1980, AO 18: 862
- Fenn, Robert W. See Stewart, Harold S., JOSA 66: 1088
- Optics of the Atmosphere, Scattering by Molecules and Particles. By Earl J. McCartney (B), AO 16: 1456
- Fennelly, Alphonsus J. See Matloff, Gregory L., JOSA 64: 531, JOSA 64: 531
- Fenneman, D. B.
- ; Cruise, D. R.: Far-field illumination of targets by annular apertures (T), JOSA 65: 1300
- Fercher, A. F.
- ; Bartelt, H.; Becker, H.; Wiltshko, E.: Image formation by inversion of scattered field data: experiments and computational simulation (ET), AO 18: 2427
- Ferdinand, A. P. See O'Neil, R. W., JOSA 65: 1191
- Ferguson, A. I. See Eckstein, J. N., JOSA 68: 646; Goldsmith, J. E. M., OL 4: 230
- Ferguson, Gerald. See Bobb, Lloyd C., AO 18: 1167
- Ferguson, J. B. See Morris, R. H., AO 14: 2808
- ; Morris, R. H.: Single-mode collapse in  $6328\text{-}\text{\AA}$  He-Ne lasers (ET), AO 17: 2924
- Fernald, F. G.
- ; Comparison of airborne lidar results with a physical model of stratospheric aerosols (A), JOSA 67: 256
- Fernandez-Pello, A. C. See Santoro, R. J., AO 17: 3843
- Fernelius, Nils C.
- ; Helmholtz resonance effect in photoacoustic cells (E), AO 18: 1784
- ; Haas, Trice W.: Resonant photoacoustic cells constructed from UHV hardware (E) (L), AO 17: 3348
- Ferneyhough, D. G.
- ; Colby, C. P.; Cain, M. L.: Multiplexor and sensor system tradeoff studies (A), JOSA 66: 174
- Ferraro, G.
- ; Haeussler, G.; Sesselmann, R.: TV-optical feedback (A), JOSA 69: 1435
- Ferrar, C. M.
- ; Rotary spark gap switching for high power dye lasers (E) (L), AO 13: 1998
- Ferrara, M. See Catalano, I. M., JOSA 68: 681
- Ferrari, A. See Bertolotti, Mario, AO 15: 2468
- Fesquet, J.
- ; Irla, H.; Roig, J.: Measurement of the gain and refraction effects in a solid state laser (TE), AO 18: 175
- ; Roig, J.; Irla, H.: Satellite rings in solid state lasers (ET), AO 18: 2491
- Fick, Steven E. See Palmer, C. Harvey, AO 16: 1849



- ; Palmer, C. Harvey: Three-dimensional real-time measurements of ultrasonic waves in transparent solids (E), AO 17: 2686
- Fiebig, M.** See Leipertz, A., AO 18: 357
- Fiel, Robert J.** See Mullaney, Paul F., AO 15: 310
- Field, David J.**  
Role of contrast in monocular rivalry (A), JOSA 69: 1429; Tai, Anthony M., AO 18: 2812
- Fields, J. N.**  
Coupled waveguide acoustooptic hydrophone (TE) (L), AO 18: 3533
- Fienup, James R.** See Fairchild, Ronald C., JOSA 69: 1429; Tai, Anthony M., AO 18: 2812
- Analysis of holographic optics for optical processors (A), JOSA 66: 1061
- Checkerboard real-imaginary phase code (A), JOSA 68: 1444
- ; Leonard, Carl D.: Holographic optics for a matched-filter optical processor (TE), AO 18: 631
- Kodachrome as a holographic material (A), JOSA 65: 1220
- Reconstruction of an object from the modulus of its Fourier transform (A), JOSA 67: 1389
- Reconstruction of an object from the modulus of its Fourier transform (TE), OL 3: 27
- Reduction of quantization noise in kinoforms and computer-generated holograms (A), JOSA 64: 1395
- Figoski, J. W.** See Ballard, P. T., AO 17: 331; Hill, H. A., AO 16: 195
- ; Caudell, T. P.; Hill, H. A.; Ballard, P. T.: Interferometric technique for the reduction of scattered light (A), JOSA 66: 1089
- Figueira, J. F.** See Czuchlewski, S. J., OL 2: 39; McLellan, Edward J., JOSA 66: 387; JOSA 68: 543; Montgomery, M. D., JOSA 68: 543; Nowak, A. V., JOSA 68: 543; Phipps, Claude R., Jr., JOSA 66: 383
- Fikioris, J. G.** See Uzunoglu, Nikolaos K., JOSA 68: 194
- ; Uzunoglu, Nikolaos K.: Scattering from an eccentrically stratified dielectric sphere (T), JOSA 69: 1359
- Filip, Henry.** See Flicker, Herbert, AO 17: 851
- Filippini, J. C.**  
Kerr cell light modulator with crossed fields (E), AO 14: 3007
- Fill, E.**  
—; Volk, R.; Jetter, H.: High-power 16  $\mu$ m generation by stimulated Raman scattering of iodine laser radiation (A), JOSA 68: 1624
- Fincher, C. L.** See Tucker, Armin W., JOSA 65: 1207; JOSA 69: 1464; AO 14: 1418
- ; Tucker, Armin W.; Birnbaum, Milton; Paur, R. J.; McClenny, W. A.: Fluorescence ambient NO<sub>2</sub> monitor with flash lamp pumping (A), JOSA 66: 1123
- ; Tucker, Armin W.; Birnbaum, Milton; Paur, R. J.; McClenny, W. A.: Fluorescence ambient NO<sub>2</sub> monitor with flashlamp pumping (E), AO 16: 1359
- Findakly, Talal**  
—; Garmire, E.; Moon, H. T.: Comparison of losses in imperfect surface-diffused and buried optical waveguides (T), OL 4: 149
- ; Chen, Chin-Lin: Diffused optical waveguides with exponential profile: effects of metal-clad and dielectric overlay (T), AO 17: 469
- ; Chen, Chin-Lin: Optical directional couplers with variable spacing (T), AO 17: 769
- ; Garmire, E.; Moon, H. T.: Radiation losses in diffused and buried optical waveguides (A), JOSA 68: 1372
- Findlay, F. D.** See Cann, M. W. P., JOSA 67: 1442; Roney, P. L., AO 17: 2599
- Fine, Joseph**  
Ion Surface Interaction, Sputtering and Related Phenomena. Edited by R. Behrisch, W. Heiland, W. Poschenrieder, P. Staib, and H. Verbeek (B), AO 15: 2604
- Fink, David**  
Coherent detection signal-to-noise ratio (T), AO 14: 689
- ; Vedolgia, Samuel N.: Coherent detection SNR of an array of detectors (T), AO 15: 453
- Polarization effects of axicons (T) (L), AO 18: 381
- Fink, Uwe.** See Larson, Harold P., AO 14: 2085
- Fink, Walter**  
Image coloration as an interpretation aid (A), JOSA 66: 174
- Finken, K. H.** See Krahn, K.-H., AO 16: 1137
- Finkenthal, M.** See Breton, C., JOSA 69: 1652
- Finkenzeller, U.**  
—; Labs, D.: Deuterium lamp as a UV continuum source from 160 nm to 320 nm for space applications (E), AO 18: 3938
- Finley, David S.**  
—; Bowyer, Stuart; Paresce, Francesco; Malina, Roger F.: Continuous discharge Penning source with emission lines between 50 Å and 300 Å (E), AO 18: 649
- Finn, D.** See Chang, M. S., AO 14: 1572
- Finn, John Patrick.** See Lit, Alfred, JOSA 66: 740
- Finn, R. S.** See Bigio, Irving J., AO 14: 336
- Finucane, R. G.** See Pearson, James E., JOSA 66: 392
- Fiocco, G.** See Grams, G. W., JOSA 67: 260
- Firester, Arthur H.** See Gorog, I., AO 15: 1425; Sheng, Ping, JOSA 68: 1406
- Efficiency and colorimetry of color-encoded focused-image holograms (A), JOSA 64: 551
- ; Heller, M. E.; Sheng, Ping: Knife-edge scanning measurements of subwavelength focused light beams (ET), AO 16: 1971
- Firsov, V. V.** See Isaev, S. K., JOSA 68: 1621
- Fischer, Charlotte Froese**  
Oscillator strengths for some D-F transitions in the Mg sequence (T), JOSA 69: 118
- Fischer, Dennis.** See Bloom, Arnold L., JOSA 67: 1429; JOSA 69: 1438
- Fischer, Gaston.** See Schnell, Walter, OL 2: 67; AO 14: 2058
- Fischer, Heinz.** See Krompholz, H., AO 13: 203; Lindner, F. W., AO 14: 2225
- ; Girnus, R.; Ruehl, F.: Low threshold coaxial N<sub>2</sub> laser with a resonator (E) (L), AO 13: 1759
- ; Haering, K. H.: Plasma development in the accelerator of a 2-kJ focus discharge (E), AO 18: 2258
- ; Haering, K. H.: Plasma development in the accelerator of a 2-kJ focus discharge: addendum (E) (L), AO 18: 3733
- Fischer, J. See Swalen, J. D., JOSA 66: 291**
- Fischer, J. C.** See Smith, W. Lee, AO 13: 499
- Fischer, J. K.**  
—; von Bruning, D. M.; Labhart, H.: Light modulation by electrochromism (ET), AO 15: 2812
- Fischer, John E.** See Loughin, S., AO 14: 1373
- Optical Properties of Solids. Edited by F. Abeles (B), JOSA 65: 102
- Fischer, Klaus**  
Mass absorption indices of various types of natural aerosol particles in the infrared, AO 14: 2851
- Fischer, R.** See Stert, V., JOSA 68: 625
- Fischer, Robert E.**  
—; Buchroeder, Richard A.: Aberration correction for a tilted plane in a converging light cone (A), JOSA 66: 1121
- Null optics for testing a 1.8-m-diam paraboloid (A), JOSA 64: 1369
- Strip-mirror corrector for steeply curved astigmatic-image correction (A), JOSA 64: 565
- Fischer, W. P.** See Langlet, A., AO 16: 1841
- Fishburne, E. S.** See Neer, M. E., JOSA 67: 259
- Fisher, A.** See Blit, S., AO 13: 335
- Fisher, Arthur D.** See Warde, Cardinal, OL 3: 196; OL 4: 73
- ; Warde, Cardinal: All-optical phase estimation system for high resolution adaptive phase compensation (A), JOSA 68: 1385
- ; Warde, Cardinal: Simple closed-loop system for real-time optical phase measurement (TE), OL 4: 131
- Fisher, E.** See Igenbergs, E. B., AO 14: 2542
- Fisher, Robert A.** See Babcock, R. V., JOSA 68: 543; Bergmann, Ernest E., OL 3: 82; Feldman, B. J., JOSA 67: 1404; JOSA 68: 1628; JOSA 69: 372; OL 2: 16; Lyman, John L., OL 3: 238
- ; Feldman, B. J.: Generation of single ultrashort CO<sub>2</sub> laser pulses in a Fabry-Perot interferometer (E), OL 1: 161
- ; Bergmann, Ernest E.; Bigio, Irving J.; Feldman, B. J.: Phase-conjugate reflection at 10.6  $\mu$ m via intracavity degenerate four-wave mixing in germanium (A), JOSA 68: 1367
- ; Feldman, B. J.: Resonant phase-conjugate reflection and amplification at 10.6  $\mu$ m in inverted CO<sub>2</sub> (E), OL 4: 140
- ; Feldman, B. J.: Vibrational energy pathways in CO<sub>2</sub> (A), JOSA 68: 656
- Fishman, Gerald A.** See Young, Rockefeller S. L., JOSA 69: 1421
- Fiske, Edward B.**  
New balance in universities: a shift from research to teaching discerned (L), AO 17: 1312
- Fitzhenry, B.**  
Optical effects of adsorption of dyes on pigment used in electrophoretic image displays (ET), AO 18: 3332
- Fitzke, F. W.** See Massof, Robert W., JOSA 68: 1399
- Fitzmaurice, Michael W.** See Minott, Peter O., JOSA 66: 1095; Tycz, M., AO 13: 1283
- ; Minott, Peter O.: Prelaunch testing of the laser geodynamic satellite (LAGEOS); target signature (A), JOSA 66: 1096
- Fitzpatrick, Gerald L.** See Bruce, Robert A., AO 14: 1621
- Fitzsimmons, W. A.** See Lawler, J. E., AO 15: 1083
- Fjarlie, E. J.**  
Photodiode preamplifier systems: low-noise positive-feedback (E), AO 16: 385
- Flach, R.**  
—; Shahin, I. S.; Yen, W. M.: Application of pressure scanning to the tuning of a high resolution dye laser (E), AO 13: 2095
- Flack, Ronald D., Jr.**  
Mach-Zehnder interferometer errors resulting from test section misalignment (ET) (L), AO 17: 985
- ; Thacker, J. G.; Dixon, J. G.: Moire interferometry strain measurements in elastic thin membranes (E), AO 18: 3841
- Shearing interferometer inaccuracies due to a misaligned test section (TE) (L), AO 17: 2873
- Flagg, Judith C.** See Levine, Randolph H., AO 16: 938
- Flamant, P.**  
Affinement spectral dans les lasers a colorants pulses (T), AO 17: 955
- Flamm, Lois E.**  
Electroretinogram and visually evoked potential associated with paced saccadic displacement of the stimulus (E), JOSA 64: 1256
- Flanigan, Dennis.** See Walter, Howard, Jr., AO 14: 1423
- Flannery, M.** See Sparks, M., JOSA 69: 993
- ; Loh, E., Jr.; Sparks, M.: Nearly perfect multilayer dielectric reflectors: theory (T), AO 18: 1428
- Flaten, C. J.** See Erskine, J. L., JOSA 64: 1332
- Fleck, J. A., Jr.** See Feit, M. D., AO 17: 3990; AO 18: 2843
- ; Morris, James R.: Effect of stagnation-zone motion on multiple-pulse-laser performance (A), JOSA 65: 1192
- ; Morris, James R.: Equivalent thin lens model for thermal blooming compensation (T), AO 17: 2575
- Fleig, G. John.** See Williams, Vernon L., JOSA 65: 1215; JOSA 66: 1105
- Fleischer, J. M.**  
—; Latta, M. R.; Rabedeau, M. E.: Laser optical system of the IBM 3800 printer (A), JOSA 66: 381
- Fleming, Henry E.** See McMillin, Larry M., AO 15: 358; AO 18: 1600
- ; McMillin, Larry M.: Atmospheric transmittance of an absorbing gas. 2: A computationally fast and accurate transmittance model for slant paths at different zenith angles (TE), AO 16: 1366
- Fleming, J. W.**  
Dispersion in step-index silicone-clad fibers (E), AO 18: 4000
- Fleming, R. N.** See Brosnan, S., JOSA 66: 385; JOSA 66: 1126
- Fletcher, Edward T.** See Klem, Bernard F., JOSA 65: 1174
- Fletcher, William H.** See Crawford, Bryce, Jr., JOSA 68: 1431; Rayside, John S., AO 14: 2334
- ; Rayside, John S.; Wiley, William J.: Flexure hinge grating suspension (E) (L), AO 13: 734
- Fleury, P. A.**  
Photon Correlation and Light Beating Spectroscopy. Edited by H. Z. Cummins and E. R. Pike (B), AO 14: 789
- Flicker, Herbert.** See Radziemski, Leon J., Jr., OL 3: 241; Reisfeld, Martin J., AO 18: 1136
- ; Aldridge, Jack P.; Filip, Henry; Nereson, Norris G.; Reisfeld, Martin J.; Weber, W. H.: Wavenumber calibration of tunable diode lasers using etalons (E) (L), AO 17: 381
- Flint, Bruce K.** See Muffoletto, C. Verne, JOSA 65: 1215



- Flint, Douglas B.** See Wirtenson, G. Richard, JOSA 66: 161  
Vacuum ultraviolet reflective coating development for the space telescope (A), JOSA 66: 1070
- Florence, James M.** See Rhodes, William T., JOSA 65: 1178, JOSA 69: 1443, AO 15: 3073  
—; Rhodes, William T.: Frequency-variant optical signal processing systems (A), JOSA 66: 1130  
—; Rhodes, William T.: Transform relationships for optical heterodyne signal processing (A), JOSA 67: 1423
- Florence, R. A.** See Sclar, N., AO 16: 1525
- Flores, L. N.** See Hecht, David L., JOSA 68: 1363, JOSA 68: 1363
- Flower, W. L.** See Mulac, A. J., AO 17: 2695
- Fluellen, Alexander H.** See Deepak, Adarsh, JOSA 67: 1377
- Flusberg, A.**  
—; Mossberg, T. W.; Kachru, R.; Hartmann, S. R.: Multilevel echo relaxation studies in gaseous media (A), JOSA 68: 696
- Flynn, George W.** See West, Gary A., JOSA 68: 1642
- Fodor, W. J.** See Taboada, J., AO 16: 1132
- Foerster, G.** See Neuhauser, W., JOSA 68: 623
- Fog, C.** See Lading, L., AO 17: 1486
- Fokkema, J. T.** See van den Berg, P. M., JOSA 69: 27
- Foley, Edward.** See Czuchlewski, S. J., OL 2: 39; Nowak, A. V., JOSA 68: 543; Sollid, Jon E., AO 17: 2670
- Foley, J. T.** See Collett, Edward, JOSA 67: 465; Wolf, Emil, JOSA 66: 1065
- Foley, John M.** See Richards, Whitman, JOSA 64: 1703
- Foley, John T.**  
—; Zubairy, M. S.: Directionality of Gaussian Schell-model beams (A), JOSA 68: 1410  
—; Devaney, A. J.: Electrodynamics of nonlocal media (A), JOSA 65: 1224  
—; Pattanayak, D. N.: Electromagnetic scattering from spatially dispersive media (A), JOSA 64: 1398  
—; Wolf, Emil: Far field of a Gaussian beam (T), JOSA 69: 761
- Folger, William F.** See Kermisch, Dorian, JOSA 64: 1394, AO 17: 4003
- Foltz, N. D.** See Gillard, P., JOSA 67: 1432; Hsieh, C. T., JOSA 64: 202
- Fonck, F. J.**  
—; Roessler, F. L.; Tracy, D. H.; Tomkins, Frank S.; Lu, K. T.; Garton, R. S.: Atomic diamagnetism and magnetically induced configuration mixing in laser-excited barium (A), JOSA 68: 551
- Fonck, R. J.**  
—; Huppler, D. A.; Roessler, F. L.; Tracy, D. H.; Daehler, Mark: All-reflection Michelson interferometer: analysis and test for far IR Fourier spectroscopy (TE), AO 17: 1739  
—; Roessler, F. L.: Analysis of an all-reflection Fourier transform interferometer (A), JOSA 66: 1093
- Fonseca, V.**  
—; Campos, Jose: Experimental lifetimes of levels belonging to the  $4p^5 nd$  ( $n = 4, 5, 6, 7$ ) configurations of Kr I (TE) (L), JOSA 69: 1618
- Fontana, E. H.** See Gulati, S. T., JOSA 65: 1215
- Fontanella, Jean-Claude**  
—; Girard, Andre; Gramont, Louis; Louisnard, Nicole: Vertical distribution of NO, NO<sub>2</sub>, and HNO<sub>3</sub> as derived from stratospheric absorption infrared spectra (ET), AO 14: 825
- Fontanella, John**  
—; Johnston, Richard L.; Colwell, Jack H.; Andeen, Carl: Temperature and pressure variation of the refractive index of diamond (E), AO 16: 2949  
—; Andeen, Carl; Johnston, Richard L.: Temperature derivative of the refractive index of diamond (A), JOSA 67: 255
- Foote, F. B.** See Danielewicz, Edward J., OL 4: 280; Hartwick, T. S., AO 15: 1919
- Foote, V.** See Bretz, Norton, AO 17: 192
- Ford, G. W.** See Weber, W. H., AO 13: 715
- Ford, Peter W.** See Sprague, Robert A., JOSA 64: 558
- Ford, Robert L.**  
Vacuum-ultraviolet absorption spectra and optical constants of poly(*N*-vinyl carbazole) films (TE), JOSA 64: 952
- Foreman, J. W., Jr.**  
Computation of rms spot radii by ray tracing (T), AO 13: 2585
- ; Cardone, J. M.: Variation of energy throughput with off-axis angle for the S056 x-ray telescope (T) (L), AO 16: 806
- Forgan, B. W.**  
Solar constants and radiometric scales (T), AO 16: 1628
- Fork, R. L.** See Shank, C. V., JOSA 68: 681
- ; Beisser, F. A.: Real-time intensity autocorrelation interferometer (L), AO 17: 3534
- Forman, Michael L.**  
Spectral interpolation: zero fill or convolution (E) (L), AO 16: 2801
- Forman, P. R.** See Armstrong, W. T., AO 16: 1628
- Forman, Richard A.** See Bennett, Herbert S., JOSA 67: 252, AO 14: 3031, AO 15: 347, AO 15: 1313, AO 15: 2405, AO 16: 2834  
Spectroscopy of Laser Crystals with Ionic Structure: Vol. 60 of Proceedings of Lebedev Physics Institute. Edited by D. V. Skobel'syn (B), AO 14: 2351
- Forney, P. B.** See Taylor, F. W., AO 18: 3893
- Fornier, A.** See Vidal, B., AO 17: 1038, AO 18: 3851
- Forno, C.** See Burch, J. M., JOSA 69: 1418
- Forshaw, M. R. B.**  
Explanation of the two-ring diffraction phenomenon observed by Moran and Kaminow (T) (L), AO 13: 2
- Forslund, David W.** See Strosio, Michael A., JOSA 68: 661
- Forster, Donald C.**  
Wide-band optical communications systems for space application (A), JOSA 64: 519
- Forster, E. O.**  
Electrical insulation and dielectric phenomena annual conference, Varennes, 29-31 Oct 1973 (M), AO 13: 226
- Forsyth, James M.** See Chao, S. L., JOSA 65: 867; Conturie, Yves, JOSA 69: 1410; Gur, Joshua, JOSA 67: 1406, JOSA 68: 1437, AO 17: 1; Kalk, Franklin D., JOSA 69: 1415; Rosenbluth, Alan E., JOSA 69: 1434; Slaymaker, Phillip A., JOSA 67: 1436
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—; Chao, S. L.: High-order mode structures in laser cavities with arbitrary astigmatism (A), JOSA 64: 561  
—; Slaymaker, Phillip A.: Use of amplified spontaneous emission as a diagnostic for gain in an x-ray laser experiment (A), JOSA 67: 1436  
X-ray diagnostics in laser-fusion experiments (A), JOSA 69: 1437
- Fortini, Peter.** See Barakat, Richard, JOSA 68: 783
- Forward, Robert L.**  
Electronic damping of vibrations in optical structures (E), AO 18: 690
- Foscoe, Robert T.** See O'Shea, Donald C., JOSA 69: 1408
- Foskett, Charles T.**  
—; Kneissl, G.; Kizer, K.: New Digilab FTS-IR spectrometer (A), JOSA 64: 1367  
Noise and quantization effects in infrared Fourier transform spectroscopy (A), JOSA 66: 1093
- Foss, Carl E.**  
Space lattice used to sample the color space of the committee on uniform color scales of the Optical Society of America (TE) (L), JOSA 68: 1616
- Fossey, Michael E.** See Pincus, Philip A., JOSA 68: 760  
—; Holmes, J. Fred; Jacob, R. Larry: Microprocessor-controlled, 64-element pulsed optical receiver (A), JOSA 66: 382  
—; Pincus, Philip A.: Statistical measurements of speckle propagation through the turbulent atmosphere (A), JOSA 68: 540
- Foster, G. T.** See Taylor, F. W., AO 18: 3893
- Foster, K. D.** See Arnold, S. J., JOSA 68: 652
- Fouche, D. G.** See Primmerman, C. A., JOSA 65: 1212, AO 15: 990
- Fouere, Jean Claude.** See Cornejo-Rodriguez, Alejandro, AO 13: 740; Roychoudhuri, Chandrasekhar, JOSA 64: 1382, AO 14: 2051  
—; Malacara-Hernandez, Daniel: Focusing errors in a collimating lens or mirror: use of a moire technique (ET), AO 13: 1322  
—; Malacara-Hernandez, Daniel: Holographic radial shear interferometer (TE), AO 13: 2035
- Fountain, W. D.**  
—; Hagen, W. F.; Linford, Gary J.: Design of disk laser amplifiers for laser fusion applications (A), JOSA 66: 388
- Fourney, M. E.** See Barker, D. B., OL 1: 135
- Fourney, W. L.** See Holloway, D. C., AO 17: 1213
- Fournier, J. M.** See Case, Steven K., JOSA 67: 1382  
—; Almeida, Silverio P.; Case, Steven K.; Dallas, W. J.: Classification of biological data with an optical-digital processor (A), JOSA 67: 1382
- Fowler, Bruce W.**  
—; Sung, C. C.: Doppler and collision-broadening effects in the profile of spectral lines (T), JOSA 65: 949  
Radiative transfer for imaging purposes (A), JOSA 67: 261  
—; Sung, C. C.: Radiative transfer in two dimensions through fog (T), AO 17: 1797  
—; Sung, C. C.: Scattering of an electromagnetic wave from dielectric bodies of irregular shape (T), JOSA 69: 756
- Fowler, Michael C.** See Smith, David C., JOSA 64: 1356  
—; Glenn, W. H.: Refractive index excursions in pulsed high energy rhodamine 6G laser solutions (E) (L), AO 15: 2624
- Fowler, Walter.** See Mount, George H., AO 16: 591
- Fox, A.**  
—; Fuchs, E. O.; Key, P. L.: Strength and static fatigue of epoxy-acrylate coated optical glass fibers (A), JOSA 67: 706
- Fox, E. J.**  
Nonlinear longitudinal KTN modulator (ET), AO 14: 343
- Fox, Jay A.**  
Production of stress waves with nanosecond laser pulses (E) (L), AO 13: 1760
- Fox, Kenneth.** See Cantrell, Cyrus D., JOSA 68: 693, OL 2: 151  
High resolution molecular spectroscopy, Third All Union Symposium, 14-16 Sep 1976 (M), AO 16: 276  
Rotational-vibrational transition moments in excited states of spherical top molecules (T), OL 1: 214  
Space spangs—an error. 2 (E) (L), AO 14: A93
- Fox, M. D.**  
Area heterodyne optical detection of acoustic holograms (ET) (L), AO 14: 1476
- Fradin, David W.** See Freiberg, R. J., JOSA 65: 1208, AO 16: 1192  
—; Cheo, Peter K.: Design and fabrication of grating couplers for integrated-optics devices (A), JOSA 64: 1364  
—; Cheo, Peter K.; Peng, S. T.; Tamir, Theodor: Effects of imperfections on the efficiency of optical couplers (A), JOSA 66: 292
- Fraenkel, B. S.** See Klapisch, M., JOSA 67: 148
- Fraise, M.** See Jeunhomme, L., AO 15: 3040
- Francis, D.** See Rogers, Gordon L., AO 17: 3812
- Frank, R.** See Burns, M., AO 15: 672
- Franco, M. A.** See Andre, Y. V., AO 18: 2607
- Francois, Robert E., Jr.**  
—; Carlson, F. Paul: Iterative Fourier approach for describing linear, multiple plane, coherent optical processors (T), AO 18: 2775
- Francon, Maurice.** See May, Marie, JOSA 66: 1275  
—; May, Marie: Correlation and information processing using speckle (A), JOSA 66: 178  
Wave aspects of light and Fourier optics (A), JOSA 64: 519
- Frank, A. M.**  
—; Thomas, S. R.; Denhoy, B. S.; Chargin, A. K.: Laser start-up system for magnetic mirror fusion (E), AO 16: 1243
- Frank, Alan M.**  
Birefringent polarization-independent beam splitter for the submillimeter (A), JOSA 67: 1419  
Birefringent polarization-independent beam splitter (TE), AO 18: 3111  
Laser start-up for magnetic fusion (A), JOSA 66: 388  
Off-axis parabolas for high-power laser focusing (A), JOSA 66: 1134  
—; Bryan, James B.; Clouser, Richard W.: Quick fast off-axis parabolas (E) (L), AO 17: 671
- Frank, F.** See Born, G. K., AO 14: 2857
- Frank, J.**  
Image processing for 2-D and 3-D reconstruction from projections: theory and practice in medicine and the physical sciences, OSA topical meeting, Stanford University, 4-7 Aug 1975 (M), AO 14: 2782



- Frank, T. G.** See Bohachevsky, I. O., JOSA 68: 546; Booth, L. A., JOSA 68: 546; Devaney, J. J., JOSA 68: 546
- Frank, W.**  
—; Goerke, K.; Pietralla, M.: Demonstrating Fourier transform spectroscopy for students (E), AO 17: 1413
- Frankie, John M.**  
Field-widened pinhole camera (E) (L), AO 18: 2913
- Franken, Peter**  
Progress in Optics, Vol. 15. Edited by Emil Wolf (B), AO 18: 3078  
Selected topics in medical optics (A), JOSA 68: 1382
- Frankena, H. J.** See van der Laan, C. J., AO 17: 538
- Frankie, Jonathan A.** See McCann, John J., JOSA 69: 1452
- Franklin, Alan D.**  
Dynamics of Perfect Crystals. By G. Venkataraman, L. A. Feldkamp, and V. C. Sahni (B), AO 15: 844
- Franklin, F. R.** See Brannon, Paul J., AO 13: 1555
- Franklin, R. D.** See Kerber, R. L., AO 17: 3276; Monsler, Michael J., JOSA 68: 546
- Franks, J.**  
—; Stuart, P. R.; Withers, R. B.: Low-pressure ion plating (A), JOSA 68: 1418
- Franks, James K.** See Sliney, David H., JOSA 66: 339
- Franks, Larry A.** See Capelle, Gene A., AO 18: 3579
- Frankston, Michael J.** See McCord, Thomas B., AO 14: 1437
- Frantz, G. J.** See DeWitt, D. P., JOSA 64: 537
- Frantz, Lee M.**  
—; Sawchuk, Alexander A.; von der Ohe, Werner: Optical phase measurement in real time (ET), AO 18: 3301  
—; von der Ohe, Werner; Sawchuk, Alexander A.: Real-time optical phase measurement (A), JOSA 68: 1414
- Franzen, Douglas L.**  
—; Schmidt, L. B.: Absolute reference calorimeter for measuring high power laser pulses (E), AO 15: 3115  
—; Day, Gordon W.: Limitations imposed by material dispersion on the measurement of optical fiber bandwidth with laser diode sources (A), JOSA 69: 1448  
Precision beam splitters for CO<sub>2</sub> lasers (E), AO 14: 647
- Franzosi, P.** See Antonioli, G., AO 18: 3847
- Fraser, Alistair B.** See Mach, William H., AO 18: 1715  
Extraction of extinction coefficients profiles from sun photometer measurements (A), JOSA 67: 260  
—; Mach, William H.: *Fata morgana and fata bromosa* (A), JOSA 65: 1173  
—; Hemler, Richard: How to take an atmospheric temperature sounding to a height of 5 km by watching the setting sun (A), JOSA 65: 1174  
—; Mach, William H.: Micrometeorological temperature profiles deduced by the inversion of optical data (A), JOSA 64: 1391  
Mirage, the green flash, and theological optics (A), JOSA 64: 539  
Simple solution for obtaining a temperature profile from the inferior mirage (TE), AO 18: 1724  
Solutions of the refraction and extinction integrals for use in inversions and image formation (T), AO 16: 160  
Temperature profiles from the inferior mirage (A), JOSA 68: 1433  
Theological optics (L), AO 14: A92  
What size of ice crystals causes the halos? JOSA 69: 1112
- Fraser, Robert S.** See Otterman, J., AO 18: 2852  
Satellite measurement of mass of Sahara dust in the atmosphere (TE), AO 15: 2471
- Frattarola, Joseph R.** See Sprague, Robert A., JOSA 64: 558
- Frazee, R. E., Jr.** See Smithgall, D. H., AO 16: 2395; Watkins, L. S., JOSA 64: 1393
- Frazier, Gene F.**  
—; Wilkerson, Thomas D.; Lindsay, J. M.: Infrared photography at 5  $\mu$ m and 10  $\mu$ m (E) (L), AO 15: 1350
- Freckler, Jack E.**  
—; Serkowski, K.: Linear polarimeter with rapid modulation, achromatic in the 0.3–1.1- $\mu$ m range (E) (L), AO 15: 605  
—; Serkowski, K.: Linear polarimeter with rapid modulation...: reply to comment (E) (L), AO 15: 1686
- Fred, Mark S.** See Childs, W. J., AO 13: 2297; Rajnak, K., JOSA 67: 1314
- ; Crosswhite, Henry M.: Hartree-Fock Method for Atoms. A Numerical Approach. By Charlotte Froese Fischer (B), AO 16: 3064
- ; Childs, W. J.; Camus, P.; Blaise, Jean E.: Hyperfine structure, nuclear moments, and configuration interaction in neutral <sup>237</sup>Np (A), JOSA 65: 1188
- ; Tomkins, Frank S.; Blaise, Jean E.; Camus, P.; Verges, J.: Term analysis of the spectrum of neutral neptunium (Np) (ET), JOSA 67: 7
- Fredriksson, K.**  
—; Galle, B.; Nystroem, K.; Svanberg, S.: Lidar system applied in atmospheric pollution monitoring (E), AO 18: 2998
- Freedman, Paul**  
Optical communication with visible lasers (A), JOSA 64: 520
- Freeman, J. R.** See Miller, P. A., JOSA 68: 545
- Freeman, Jay.** See Bowyer, Stuart, AO 16: 756
- Freeman, Michael H.**  
British Electro-Optics, Proceedings of a Conference at the British Export Marketing Centre, Tokyo in December 1975. Edited by L. R. Baker (B), JOSA 68: 1648  
Visual aberrations and observer performance with biocular magnifiers (A), JOSA 67: 1373  
Visual performance with biocular magnifiers (A), JOSA 64: 1358
- Freeman, R. H.** See Angelbeck, A. W., JOSA 66: 391; Brooks, Lawrence D., JOSA 68: 1385; Garcia, H. R., JOSA 68: 1368; Wisner, George R., JOSA 66: 391
- ; Garcia, H. R.; Oughstun, Kurt Edmund: Adaptive laser resonator (A), JOSA 68: 1368
- ; Freiberg, R. J.; Garcia, H. R.: Adaptive laser resonator (E), OL 2: 61
- Freeman, Richard P.** See Ausschnitt, C. P., JOSA 68: 1445
- Freeman, Richard R.** See Bjorkholm, J. E., JOSA 68: 1377; JOSA 68: 1623; Bjorklund, Gary C., JOSA 68: 675; JOSA 68: 1412; Economou, N. P., OL 3: 209  
Atoms and Molecules in Electric Fields. By Nils Ryde (B), JOSA 68: 1458  
—; Bjorklund, Gary C.: Effects of electric fields on autoionizing states of Sr (A), JOSA 67: 1384  
—; Bjorklund, Gary C.: Effects of external fields upon 4-wave mixing processes in atomic vapors (A), JOSA 68: 675  
—; Bjorklund, Gary C.; Economou, N. P.; Liao, P. F.; Bjorkholm, J. E.: Generator of cw VUV by four-wave mixing in Sr vapor (A), JOSA 68: 1378
- Freiberg, R. J.** See Freeman, R. H., OL 2: 61; Hinchey, J. J., AO 15: 459
- ; Chenausky, P. P.; Fradin, David W.: Split-mode unstable-resonator configurations (A), JOSA 65: 1208  
—; Chenausky, P. P.; Fradin, David W.: Split-mode unstable resonator (E), AO 16: 1192
- Frejlich, Jaime.** See Cescato, Lucila, AO 18: 1486; Clair, J. J., JOSA 66: 163
- ; Clair, J. J.: Index and surface simultaneous modulation in negative photoresist films (E), JOSA 67: 1644
- ; Clair, J. J.: Mathematical model for negative photoresist behavior (T), JOSA 67: 92
- ; Knoesel, R.: Spectral sensitivity improvement of a commercial negative photoresist: Kodak microresist 747 (E) (L), AO 18: 1135
- French, William G.** See Kaiser, P., JOSA 67: 707; Lin, Chinton, JOSA 67: 255; JOSA 68: 633, OL 1: 96; Presby, Herman M., AO 18: 4006; Ramaswamy, V., JOSA 67: 707, AO 17: 3014; Tasker, G. W., AO 17: 1836; Tynes, A. R., JOSA 69: 1587; Wonsiewicz, B. C., AO 15: 1048
- ; Tasker, G. W.; Simpson, J. R.: Graded index fiber waveguides with borosilicate composition: fabrication techniques (E), AO 15: 1803
- Frenerie, E. R.**  
—; O'Neill, E. L.; Walther, Adrian: Problem in the determination of correlation functions. II (T) (L), JOSA 69: 634
- Frerking, Margaret A.**  
—; Muehner, Dirk J.: Infrared heterodyne spectroscopy of atmospheric ozone (E) (L), AO 16: 526
- Freund, Samuel M.** See Maier, William B., II, JOSA 68: 1643  
Electronic Transition Lasers. Edited by Jeffrey I. Steinfeld (B), AO 16: 1116
- Frey, Robert**  
—; Pradere, Francois; De Martino, Antonello; Ducuing, Jacques: High-power tunable far-infrared generation in hydrogen halides (A), JOSA 68: 637
- Friart, D.** See Farcy, J. C., JOSA 68: 549
- Friberg, Ari T.**  
Existence of a radiance function for finite planar sources of arbitrary states of coherence (T), JOSA 69: 192  
Question of the existence of nonradiating primary planar sources of finite extent (T), JOSA 68: 1281  
Radiometric laws with partially coherent light (A), JOSA 69: 1414  
—; Wolf, Emil: Reciprocity relations between the far field and the source field generated by a planar source of any state of coherence (A), JOSA 68: 1410
- Frickel, Robert H.** See Carlon, Hugh R., AO 15: 2454, AO 16: 1598
- Friebele, E. J.** See Faust, W. L., JOSA 68: 639
- ; Sigel, George H., Jr.; Jaeger, R. E.: *In situ* measurement of growth and decay of radiation damage in fiber optical waveguides (A), JOSA 67: 707
- Fried, Alan**  
—; Mathews, C. Weldon: Ceramic capacitor failures in nitrogen lasers: a solution (E) (L), AO 16: 3077
- Fried, David L.** See Greenwood, Darryl P., JOSA 66: 193  
Absence of thermal blooming for a uniformly illuminated square-aperture high-power laser transmitter (T) (L), AO 13: 989  
Adaptive optics topical issue, JOSA 67: 422  
Avoidance of high-power-laser thermal blooming (A), JOSA 64: 549  
—; Meyers, Gus E.: Evaluation of  $\tau_0$  for propagation down through the atmosphere (T), AO 13: 2620  
Evaluation of  $\tau_0$  for propagation down through the atmosphere (errata), AO 14: 2567  
Evaluation of  $\tau_0$  for propagation down through the atmosphere (errata), AO 16: 549  
Laser Speckle and Related Phenomena, Topics in Applied Physics, Volume 9. Edited by J. C. Dainty (B), JOSA 67: 1131  
Least-squares fitting a wave-front distortion estimate to an array of phase-difference measurements (T), JOSA 67: 370  
Nonlinear resonance scanning (T), AO 13: 1796  
Optics of the Atmosphere, Scattering by Molecules and Particles. By Earl J. McCartney (B), JOSA 67: 1694  
Probability of getting a lucky short-exposure image through turbulence (T), JOSA 68: 1651  
Propagation of the mutual coherence function for an infinite plane wave through a turbid medium (A), JOSA 68: 541  
Propagation of the mutual coherence function for an infinite plane wave through a turbid medium (T), OL 1: 104  
Resolution, signal-to-noise ratio, and measurement precision (T), JOSA 69: 399  
Signal processing for a signal with Poisson noise (T) (L), AO 13: 1282  
Signal processing for a signal with Poisson noise: reply to comments (T) (L), AO 13: 2463  
Statistics of scattering from a moderately rough surface (A), JOSA 66: 179  
Statistics of the laser radar cross section of a randomly rough target (T), JOSA 66: 1150  
Wave-front distortion sensing for control of an adaptive optics system (A), JOSA 66: 391
- Fried, J.**  
—; Labs, D.: Quasi-monochromatic calibration source for the wavelength range from 0.22  $\mu$ m to 7.0  $\mu$ m (E), AO 13: 197
- Frieden, B. Roy.** See Bendinelli, M., JOSA 64: 1498  
2-D restoration by decision-rule allocation of pseudograms (A), JOSA 64: 561  
Image analysis and evaluation, SPSE international conference, Toronto, 19-23 Jul 1976 (M), AO 15: 2599  
—; Barrett, Harrison H.: Image-noise reduction using Stein's procedure (A), JOSA 67: 1416  
Image restoration by discrete convolution of minimal length (TE), JOSA 64: 682  
—; Swindell, William: Maximum entropy restorations of Ganymede (A), JOSA 66: 172



- Maximum information: a new norm of image restoration (A), JOSA 69: 1442
- New restoring algorithm for the preferential enhancement of edge gradients (TE) (L), JOSA 66: 280
- Preferential enhancement of edges via the median window restoring algorithm (A), JOSA 66: 168
- ; Wells, Donald C.: Restoration of Poisson images using maximum entropy (A), JOSA 67: 1416
- Restoring astronomical objects using maximum entropy (A), JOSA 68: 1375
- ; Wells, Donald C.: Restoring with maximum entropy. III. Poisson sources and backgrounds (TE), JOSA 68: 93
- Selected Readings in Image Evaluation. Compiled and edited by Rodney Shaw (B), JOSA 68: 554
- ; Currie, Douglas G.: Unfolding the autocorrelation function (A), JOSA 66: 1111
- Friedman, Alan J.**  
Illustrated History of the Martians (A), JOSA 68: 1393
- Friedman, Arthur.** See Guth, Sherman L., JOSA 66: 1103
- Friedman, D. See Takken, E. H., AO 18: 4210**
- Friedman, Herbert W.**  
—; Morton, Richard G.: Transverse flow flashlamp pumped dye laser (E), AO 15: 1494
- Friedrich, H. R. See Barnoski, M. K., AO 15: 2629**
- Friehe, Carl A.**  
—; La Rue, J. C.; Champagne, F. H.; Gibson, C. H.; Dreyer, G. F.: Effects of temperature and humidity fluctuations on the optical refractive index in the marine boundary layer (ET), JOSA 65: 1502
- Estimation of the refractive-index temperature structure parameter over the ocean (ET), AO 16: 334
- Fries, R. J. See Lowe, A. T., JOSA 68: 550**
- Fries, R. W. See Modestino, J. W., JOSA 69: 897**
- Friesem, A. A. See Glaser, I., JOSA 65: 1188; Kritchman, E. M., AO 18: 2688; Levy, U., JOSA 68: 1384; Peri, David, OL 3: 124**
- ; Levy, U.: Fringe formation in two-wavelength contour holography (TE), AO 15: 3009
- ; Levy, U.: Parallel image transmission by a single optical fiber (ET), OL 2: 133
- ; Rav-Noy, Z.; Reich, S.: Photodielectric polymer for holographic recording (E), AO 16: 427
- ; Glaser, I.: Spatial multiplex tomography (TE), AO 16: 2363
- Frigo, N. J.**  
Dual-wavelength independently tunable picosecond laser source (A), JOSA 69: 1463
- Frimout, D. See Girard, Andre, JOSA 64: 256**
- Frish, S. E.**  
Optics in the U.S.S.R. Academy of Sciences (L), AO 13: 10A14
- Friteau, Jean. See Chevillard, Jean-Pierre, AO 16: 1817**
- Fritz, Sigmund**  
Operational capabilities of meteorological satellites (A), JOSA 64: 550
- Fritz, Teresa A. See Davis, Nancy H., JOSA 69: 1407**
- Friz, M. See Stetter, F., JOSA 66: 634, AO 15: 2315**
- Froben, F. W.**  
Fourier IR spectroscopy of matrix isolated unstable molecules (A), JOSA 68: 1401
- Fröehlich, Gary K.**  
—; Walkup, John F.; Asher, Robert B.: Estimation in signal-dependent noise (A), JOSA 68: 1385
- ; Walkup, John F.; Hagler, Marion O.: Optical information processing experiments for undergraduate engineers (A), JOSA 66: 1131
- ; Walkup, John F.; Asher, Robert B.: Optimal estimation in signal-dependent noise (A), JOSA 67: 1368
- ; Walkup, John F.; Asher, Robert B.: Optimal estimation in signal-dependent noise (T), JOSA 68: 1665
- Fröehly, C. See Madjidi-Zolbanine, H., AO 18: 2385**
- Frome, Francine. See Buck, Steven L., JOSA 67: 1126**
- ; Buck, Steven L.; Boynton, Robert M.: Color or contrast: which is more important for border perception? (A), JOSA 67: 1409
- ; Clavdetscher, John E.: Spatial frequency, not size, predicts changes after adaptation to gratings (A), JOSA 66: 1078
- Fronczek, Ronald C. See Stavroudis, Orestes N., JOSA 66: 795, JOSA 68: 739**
- Principal direction assignment in generalized ray tracing (A), JOSA 66: 1121
- Wave-front tracing in symmetrical optical systems (A), JOSA 68: 1451
- Frost, R. L.**  
—; Rushforth, C. K.; Baxter, B. S.: Fast FFT-based algorithm for phase estimation in speckle imaging (TE), AO 18: 2056
- Frueh, Bartley R. See Green, Daniel G., JOSA 65: 119**
- Frumkes, Thomas E. See Bauer, Glenn M., JOSA 69: 1453; Nygaard, Rolf W., JOSA 68: 1439**
- ; Holstein, Gay R.: Rod-cone interrelationships at light onset and offset (TE) (L), JOSA 69: 1727
- ; Nygaard, Rolf W.; Licht, Jeffery L.; Bauer, Glenn M.: Temporal reciprocity within the long-wavelength cones of the frog, *Rana pipiens* (A), JOSA 65: 1205
- Fry, E. S. See Thompson, Randall C., JOSA 64: 1399**
- Fry, Edward S.**  
Laser intensity regulator (A), JOSA 66: 1124
- Fry, Glenn A.**  
—; Somers, William W.: Effect of blur and overlap on brightness matching (ET), JOSA 64: 717
- Phase effects in flicker photometry (A), JOSA 64: 1385
- Fu, Tao-yi**  
—; Sargent, Murray, III: Effects of signal detuning on phase conjugation (T), OL 4: 366
- Fub, W.**  
—; Proch, D.; Schmid, W.: Wavelength dependence of the multiphoton absorption and dissociation of SF<sub>6</sub> (A), JOSA 68: 710
- Fuchs, Baruch A.**  
Polishing KDP and other soft water-soluble crystals (E) (L), AO 18: 1125
- Fuchs, E. O. See Fox, A., JOSA 67: 706**
- Fueloop, G. F. See O, Chun-Sing, JOSA 66: 1124**
- Fuhs, Allen E.**  
Distortion of laser turret optics due to aircraft mainstream flow (A), JOSA 66: 1137
- Fujii, Hitoshi. See Almeida, Silverio P., JOSA 68: 1415, AO 18: 1663; Deka, Mitrajyoti, JOSA 69: 1423; Uozumi, J., JOSA 67: 808**
- ; Almeida, Silverio P.: Coherent spatial filtering with simulated input (E), AO 18: 1659
- ; Uozumi, J.; Asakura, Toshimitsu: Computer simulation study of image speckle patterns with relation to object surface profile, JOSA 66: 1222
- ; Asakura, Toshimitsu: Development of laser speckle and its application to surface inspections (E), AO 16: 180
- ; Lit, John W. Y.: Experimental results of surface-roughness studies by means of dichromatic speckle patterns (A), JOSA 67: 1366
- ; Asakura, Toshimitsu; Shindo, Yoshio: Measurement of surface roughness properties by using image speckle contrast (E), JOSA 66: 1217
- Non-Gaussian speckle with correlated weak scatterers: a computer simulation (E), JOSA 69: 1573
- ; Almeida, Silverio P.: Rotational matched spatial filter for biological pattern recognition (A), JOSA 69: 1451
- ; Asakura, Toshimitsu: Roughness measurements of metal surfaces using laser speckle (E), JOSA 67: 1171
- ; Lit, John W. Y.: Surface roughness measurement using dichromatic speckle pattern: an experimental study (E), AO 17: 2690
- Fujii, Y. See Hill, Kenneth O., JOSA 68: 1627; Kawasaki, Brian S., JOSA 68: 663, OL 3: 66**
- ; Hayashi, H.: Acousto-optic tunable filter using LiNbO<sub>3</sub> crystal (A), JOSA 66: 385
- Fujii, Yoichi**  
—; Yamashita, Jun-ichiro; Shikata, Susumu; Saito, Shigebumi: Incoherent optical heterodyne detection and its application to air pollution detection (TE), AO 17: 3444
- Fujimoto, Jun'ichiro**  
—; Yoneyama, Masahide: Short exposure and biasing holography (E) (L), AO 16: 811
- Fujimoto, R. See Obara, M., JOSA 68: 668**
- Fujimoto, Y. See Real, R. R., AO 13: 2253**
- Fujinami, Makoto. See Ueha, Sadayuki, AO 14: 1478**
- Fujioka, T. See Obara, M., JOSA 68: 668**
- Fujita, H. See Matoba, M., JOSA 68: 670; Yamanaka, C., JOSA 68: 543**
- Fujita, Hiroyuki**  
—; Suzuki, Yasuzi; Tachibana, Atsushi: Optical fiber splicing technique with a CO<sub>2</sub> laser (E) (L), AO 15: 320
- ; Suzuki, Yasuzi; Tachibana, Atsushi: Optical fiber wave splitting coupler (E) (L), AO 15: 2031
- Fujiwara, Hirofumi. See Sato, Tatsumi, AO 17: 3096**
- Fukatsu, K. See Nishida, M., JOSA 67: 709**
- Fukuma, Masaharu. See Noda, Juichi, AO 17: 2092**
- Fukumitsu, Otozo. See Ooya, T., JOSA 65: 537; Takenaka, Takashi, AO 17: 3466; Tanaka, M., JOSA 67: 819**
- Fukumoto, A. See Kawabuchi, M., AO 14: 15**
- ; Kawabuchi, M.; Hayami, H.: Polarization considerations in the operation of a two-dimensional TeO<sub>2</sub> abnormal Bragg deflector (ET) (L), AO 14: 812
- Fukunishi, Shuzo. See Noda, Juichi, AO 17: 1953; Zembutsu, Sakae, AO 18: 393**
- Fukuyo, Hitohiro. See Kuramochi, Naimu, JOSA 68: 1087**
- Fukuzawa, T.**  
—; Nakamura, M.: Mode coupling in thin-film chirped gratings (E), OL 4: 343
- Fuld, Kenneth. See Wooten, Billy R., JOSA 67: 1362, JOSA 65: 334**
- Westheimer effect with rectilinear stimuli (A), JOSA 67: 1409
- Fulghum, S. F., Jr. See Bezdjian, K., JOSA 66: 1108**
- ; Herman, Irving P.; Feld, M. S.; Javan, Ali: XeF ground-state dynamics in a laser discharge (A), JOSA 68: 1356
- Fuller, William H., Jr. See McCormick, M. Patrick, AO 14: 4; Northam, G. Burton, AO 13: 2416**
- ; McCormick, M. Patrick; Swisler, Thomas J.: Comparative analysis of red-blue lidar and rawinsonde data (A), JOSA 67: 258
- Laser Radar, Seventh International Conference, Stanford Research Institute, 4-7 Nov 1975 (M), AO 16: 3
- Furman, Alan. See Casasent, David, AO 15: 1690, AO 16: 285, AO 16: 1652, AO 16: 1662, AO 16: 1955, AO 17: 3418**
- ; Casasent, David: Bipolar incoherent optical pattern recognition by carrier encoding (TE), AO 18: 660
- Furtak, T. E.**  
Sinusoidal radiation chopper for modulation of the maximum available light intensity (E) (L), AO 16: 803
- Furukawa, M. See Koizumi, K., AO 13: 255**
- Furukawa, Y. See Inagaki, Takefumi, AO 13: 819**
- Furuta, Hirosuke**  
—; Noda, Hideki; Ihaya, Akira: Optical waveguide for integrated optics (ET), AO 13: 322
- Furuya, Kazuhito. See Ishikawa, Shigeta, JOSA 68: 577**
- ; Suematsu, Yasuharu; Hong, Tchanghee: Reduction of resonancelike peak in direct modulation due to carrier diffusion in injection laser (T), AO 17: 1949
- Furzikov, N. P. See Ambartzumian, R. V., OL 1: 22**
- Fusek, R. L. See Harris, J. S., AO 18: 2368**
- Fussell, William B.**  
Approximate theory of the photometric integrating sphere (A), JOSA 64: 547
- Spatial distribution of the apparent spectral emissivity of a freezing-point blackbody with Lambertian walls (A), JOSA 65: 1179
- Fymat, Alain L. See Deuze, J. L., AO 13: 1807**
- Analytical inversions in remote sensing of particle size distributions. 1: Multispectral extinctions in the anomalous diffraction approximation (T) (L), AO 17: 1675
- Analytical inversions in remote sensing of particle size distributions. 2: Angular and spectral scattering in diffraction approximations (T) (L), AO 17: 1677
- Analytical inversions in remote sensing of particle size distributions. 3: Angular and spectral scattering in the Rayleigh-Gans-Born approximation for particles of various geometrical shapes (T), AO 18: 126
- ; Smith, C. B.: Analytical inversions in remote sensing of particle size distributions. 4: Comparison of Fymat and Box-McKellar solutions in the anomalous diffraction approximation (TE), AO 18: 3595



- Determination of moments of the size distribution function in scattering by polydispersions: a comment (TE) (L), AO 17: 3516
- Digital Image Processing for Remote Sensing. Edited by Ralph Bernstein (B), AO 18: 1954
- Scattering-independent determination of the thermal-emission profile of a planetary atmosphere and related radiative-equilibrium considerations (T), JOSA 64: 145
- Gabai, A.** See Yatsiv, S., JOSA 68: 718
- Gabel, C. W.** See Agostinelli, John A., JOSA 68: 1435, JOSA 69: 1484, AO 18: 2500; Citron, M. L., JOSA 66: 1068; Kostuk, R. K., AO 18: 1527
- Gabel, Robert A.**  
Reconstruction errors in computer generated binary holograms: a comparative study (TE), AO 14: 2252
- Gabelmann-Gray, L.**  
Fenichel, Henry: Holographic interferometric study of liquid diffusion (TE), AO 18: 343
- Gabriel, Fred C.**  
Microphonically balanced pyroelectric detectors (E) (L), AO 13: 1294
- Gabrielse, G.** See Berry, H. Gordon, AO 16: 3200
- Gagliano, F. P.**  
Paek, U. C.: Observation of laser-induced explosion of solid materials and correlation with theory (ET), AO 13: 274
- Gagnaire, H.**  
Goure, J. P.; Massot, J. N.; Lambert, A. M.: Determination de défauts de circularité de la section d'une fibre optique non gainée (E), AO 18: 2510
- Gagne, Jean-Marie.** See Saint-Dizier, Jean-Pierre, AO 13: 1740
- ; Bertrand, L.; Conturie, Yves; Mah, S. Q.; Monchalain, J.-P.: Compact continuous HF microwave-discharge mixing laser (E), JOSA 65: 876
- ; LeBlanc, B.; Mongeau, B.; Carleer, M.; Bertrand, L.: Etude par absorption d'un faisceau laser d'une vapeur d' $^{238}\text{U}(\text{}^6\text{Le}^0)$  obtenue à l'aide d'une lampe à cathode creuse (E), AO 18: 1084
- ; Carleer, M.; Demers, Y.; Mongeau, B.; LeBlanc, B.: Générateur de vapeur d'uranium: la lampe à cathode creuse pulsee (E), AO 18: 2107
- ; Saint-Dizier, Jean-Pierre: Isotope shift in the Cd I line 4678 ( $5s5p^3\text{P}_2-5s6s^3\text{S}_2$ ) and odd-even staggering (E) (L), JOSA 65: 962
- ; Van, S. Nguyen; Saint-Dizier, Jean-Pierre; Pianarosa, P.: Isotope shift of  $^{234}\text{U}$ ,  $^{236}\text{U}$ ,  $^{238}\text{U}$  in U I (E) (L), JOSA 66: 1415
- ; Saint-Dizier, Jean-Pierre; Picard, Michel: Méthode d'échantillonnage des fonctions déterministes en spectroscopie: application à un spectromètre multicanal par comptage photonique (T), AO 13: 581
- ; Saint-Dizier, Jean-Pierre; Picard, Michel: Méthode d'échantillonnage des fonctions déterministes en spectroscopie: application à un spectromètre multicanal par comptage photonique (errata), AO 13: 1739
- ; LeBlanc, B.; Mongeau, B.; Pianarosa, P.; Bertrand, L.; Saint-Dizier, Jean-Pierre: Production de vapeur d'uranium par pulvérisation cathodique dans une cathode creuse: efficacités relatives des gaz Ne, Ar, Kr et concentration à l'état  $^6\text{Le}^0$  (E), AO 17: 2507
- ; Mah, S. Q.; Conturie, Yves: Transverse-flow quasi-cw HF chemical laser: design and preliminary performance (E), AO 13: 2835
- Gagnon, R. E.**  
Gammon, P. H.; Kieffe, H.; Clouter, M. J.: Determination of the refractive index of liquid carbon monoxide (E), AO 18: 1237
- Gagnon, Ralph J.**  
Image contrast theory of electronic focus (T), JOSA 68: 1309
- Gagnon, W. J.**  
Rupert, P. R.; Berkbigler, L.; Carder, B. M.; Gritton, D. G.; Holloway, R. W.; Howland, M. M.; Whitham, K.: 25 MJ energy storage and delivery system for the Shiva laser (A), JOSA 68: 548
- Gailar, N. M.** See Jennings, D. E., AO 15: 864
- Gaillard, M.** See Andrae, H. J., JOSA 65: 1410
- Gaines, R.** See Little, A. C., JOSA 64: 1385
- Gal, G.** See Wells, W. C., AO 16: 654
- Galan, M. J.**  
Magro, C. S.: Image quality and alignment tolerances of IAC 80-cm telescope (T) (L), AO 16: 2040
- Galantowicz, T. A.** See Danielewicz, Edward J., OL 4: 280
- Lineshape measurement for coupling to waveguide modes in the prism-film coupler (ET), AO 13: 2525
- Galbraith, Harold W.** See McDowell, Robin S., OL 2: 97
- ; Ackerhalt, J. R.: Calculation of the temperature dependence of the multiphoton absorption spectrum of  $\text{SF}_6$  (T), OL 3: 109
- ; Ackerhalt, J. R.: Comparison of multiple-photon excitation models (T), OL 3: 152
- Single-photon transition moments in excited states of spherical-top molecules (T), OL 3: 154
- Gale, A. John**  
Ion machining of optical components (A), JOSA 68: 1445
- Gale, M. T.** See Engelbrecht, R. S., JOSA 66: 381
- ; Knop, K.: Color-encoded focused image holograms (ET), AO 15: 2189
- ; Knop, K.: Image recording and zero-order read-out using surface-relief gratings (A), JOSA 67: 1374
- Galehouse, Daniel C.**  
Davis, Sumner P.: Near-IR Fourier transform spectra of TiO and ZrO (A), JOSA 66: 1093
- Galeotti, M.** See Bertolotti, Mario, AO 15: 802; Daino, B., AO 16: 283
- ; Daino, B.; Sette, Daniele: Statistical measurements of 6328-Å atmospheric attenuation (E), AO 16: 660
- Gallagher, J. E.** See Bruning, J. H., AO 13: 2693
- Gallagher, Neal C., Jr.** See Allebach, J. P., AO 15: 2183; Angus, John C., AO 16: 2798; Bucklew, James, AO 18: 575, AO 18: 2861; Liu, B., AO 13: 2470, JOSA 64: 1227
- ; Angus, John C.; Coffield, Frederick E.; Edwards, Robert V.; Mann, J. Adin, Jr.: Binary phase digital reflection holograms: fabrication and potential applications (E), AO 16: 413
- ; Liu, B.: Class of optimum spatial filters (T), JOSA 65: 182
- Optimum quantization in digital holography (TE), AO 17: 109
- Real-time optical signal processors employing optical feedback: amplitude and phase control (T), AO 15: 882
- Gallagher, T. F.** See Cooke, W. E., OL 4: 173
- Gallardo, M.** See Sandoval, H. F. Ranea, AO 18: 1705
- Galle, B.** See Fredriksson, K., AO 18: 2998
- Gallo, C. F.** See Hammond, T. J., AO 13: 2164, AO 15: 64
- ; Lama, W. L.: Acoustical resonances in modulated compact arc lamps (TE) (L), AO 16: 819
- Electrophotography Second International Conference. Edited by D. R. White (B), AO 14: 2307
- Gambardella, G.**  
Representation of the spatial-frequency analysis performed by the visual system (T) (L), JOSA 65: 99
- Gamble, W. L.** See Smith, J. Lynn, AO 13: 1451
- Gambling, W. A.**  
Payne, D. N.; Matsumura, H.: Birefringence and optical activity in single-mode fibers (A), JOSA 67: 707
- ; Payne, D. N.; Matsumura, H.: Mode conversion coefficients in optical fibers (ET), AO 14: 1538
- Gammel, J.** See Tang, C. L., AO 17: 3865
- Gammon, P. H.** See Ahmad, S. F., JOSA 67: 1409; Gagnon, R. E., AO 18: 1237
- Gammon, Robert W.** See Durvasula, L. N., JOSA 67: 1410, AO 17: 3298; Kaplan, H., JOSA 64: 1551
- ; Palik, E. D.: Attenuated-total-reflection spectral linewidth: analysis of surface-polariton dispersion relations and damping rates (TE), JOSA 64: 350
- Gamo, Hideya.** See Majumdar, Arun K., JOSA 66: 1067, JOSA 68: 539; Ostrem, John S., JOSA 64: 562; Takahashi, Nobuaki, JOSA 69: 1475
- ; Takahashi, Nobuaki; Osada, Hidenori: Approximate formulas for characterizing saturated gas-laser amplifiers (A), JOSA 68: 1388
- ; Majumdar, Arun K.: Atmospheric turbulence chamber for optical transmission experiment: characterization by thermal method (E), AO 17: 3755
- ; Ostrem, John S.: Determination of laser parameters from saturated-gain measurements for a partially homogeneously broadened gas-laser amplifier (T), JOSA 65: 1116
- ; Horiba, Atsushi: Differential optoacoustic detector of methane using a He-Ne 3.39- $\mu\text{m}$  gas laser (A), JOSA 67: 1441
- Nonlinear effects in cw single-mode heterostructure semiconductor lasers (A), JOSA 69: 1482
- ; Sato, Heihachi: Pulse propagation in partially homogeneously broadened laser amplifiers (A), JOSA 64: 562
- ; Majumdar, Arun K.; Alleman, Glen Byron: Statistical measurements of intensity fluctuations of a laser beam transmitted through a turbulent atmosphere (A), JOSA 64: 1390
- ; Osada, Hidenori: Transformation of statistical properties of amplified spontaneous emissions through a high-gain He-Ne 3.39  $\mu\text{m}$  laser amplifier (A), JOSA 66: 1076
- Ganas, P. S.**  
Optical oscillator strengths for N II (T), JOSA 69: 1140
- Gandhi, O. P.** See Riazi, Abbas, JOSA 69: 348
- Gandini, A.** See Willis, C., JOSA 68: 692
- Ganiel, U.** See Blit, S., AO 13: 335
- ; Hardy, Amos A.: Eigenmodes of optical resonators with mirrors having Gaussian reflectivity profiles (T), AO 15: 2145
- ; Silberberg, Y.: Stability of optical resonators with an active medium (T), AO 14: 306
- Ganko, T.**  
Sadlej, N.; Smolinska, B.: Metal dithizonates: a new material for recording transient absorption holograms (E) (L), AO 13: 2770
- Ganley, T.**  
Leland, W. T.; Swanson, D.; York, G.: Prototype Antares power amplifier module (A), JOSA 68: 543
- Ganson, G.** See Kottler, W., AO 17: 164
- Ganz, Ernst.** See Anders, G., AO 18: 1067
- Assessment of the ultraviolet range of artificial light sources for the best fit to standard illuminant D65 (T) (L), AO 16: 806
- Whiteness formulas: a selection (T), AO 18: 1073
- Whiteness perception: individual differences and common trends (E), AO 18: 2963
- Whiteness: photometric specification and colorimetric evaluation (R), AO 15: 2039
- Ganz, Leo.** See Schumer, Robert A., JOSA 69: 1479
- Gara, Aaron D.** See Faxvog, Fred R., JOSA 64: 553; Joseph, Bernard W., JOSA 67: 1445, AO 17: 1987
- ; Kaplit, M.; Farrar, R. A.: Optical correlation system for industrial robot vision (A), JOSA 69: 373
- Phase response of a liquid crystal image transducer (A), JOSA 67: 1445
- Phase response of a liquid crystal image transducer (E) (L), AO 17: 3696
- Real-time optical correlation of 3-D scenes (E), AO 16: 149
- Real-time tracking of moving objects by optical correlation (E), AO 18: 172
- Garavaglia, M.** See Calatroni, J. A. E., AO 13: 1009; Sandoval, H. F. Ranea, AO 18: 1705
- Garbaccio, Donald H.** See Gimlett, James I., AO 13: 2629
- Garbuny, M.** See Henningsen, T., JOSA 64: 257
- ; Pechersky, M. J.: Laser engines operating by resonance absorption (T), AO 15: 1141
- Garcia, B.** See Holm, R. T., JOSA 67: 253; Palik, E. D., AO 17: 1776
- Garcia, Charles**  
Puzzles and problems in ophthalmology to tease the physicist's fancy (A), JOSA 64: 1368
- Garcia, Daniel H.**  
Ground-level refractive-index structure parameter ( $C_n^2$ ) for various surfaces (A), JOSA 68: 1370
- Garcia, E.** See Stark, Henry, AO 13: 648, AO 13: 1828
- ; Stark, Henry: Application of enhanced space-autocorrelation function to the analysis of random scenes (A), JOSA 64: 560
- Garcia, H. R.** See Freeman, R. H., JOSA 68: 1368, OL 2: 61; Palma, G. E., JOSA 68: 1368, AO 18: 3057
- ; Freeman, R. H.: High-speed deformable mirror systems (A), JOSA 68: 1368
- Gardner, C. S.** See Rowlett, J. R., JOSA 68: 1386



- ; Ransom, Preston L.; Atkins, W. J., Jr.: Coherence effects on the phase accuracy of an optical Fourier processor (T), JOSA 68: 909
- Correction of laser tracking data for the effects of horizontal refractivity gradients (TE), AO 16: 2427
- Effects of random path fluctuations on the accuracy of laser ranging systems (T), AO 15: 2539
- ; Plonus, M. A.: Optical pulses in atmospheric turbulence (T), JOSA 64: 68
- ; Rowlett, J. R.; Hendrickson, B. E.: Ray tracing evaluation of a technique for correcting the refraction errors in satellite tracking data (E), AO 17: 3143
- Remotely measuring surface pressure from a satellite using a multicolor laser ranging system (T), AO 18: 3184
- Gardner, Chester S.** See Peterson, George D., JOSA 69: 1462
- Atmospheric propagation effects in laser ranging and lidar (A), JOSA 69: 1409
- Gardner, M. E.** See Clough, Shepard A., JOSA 68: 1424
- Gardner, R. K.**
- ; Cocke, C. L.; Saylor, T. K.; Curnutte, Basil: Lifetimes of some  $L$ -x-ray emitting levels in silicon, sulfur, and chlorine (E), JOSA 68: 830
- Gardner, W. B.** See Saunders, M. J., AO 16: 2368; Stone, F. T., JOSA 67: 1373, OL 2: 48
- Garel-Jones, P. M.** See SpringThorpe, A. J., AO 17: 2857
- Garetz, B. A.**
- ; Hall, G. E.; Kenney-Wallace, G. A.: Tunable polarization rotator for UV and visible laser radiation employing optically active media (A), JOSA 67: 1436
- Garifo, L.**
- ; Malvezzi, A. M.; Tondello, Giuseppe: Grazing incidence spectrograph-monochromator with a focusing toroidal mirror (TE), AO 18: 1900
- Garmire, E.** See Allen, Susan D., JOSA 68: 1360; Findakly, Talal, JOSA 68: 1372, OL 4: 149; Marburger, J. H., JOSA 68: 642; McMahon, T. R., JOSA 66: 1102, OL 3: 235; Somekh, S., AO 13: 327; Winful, H. G., JOSA 69: 1421
- ; Bass, Michael; McMahon, T. R.: Low-loss infrared guiding in metal-dielectric waveguides (A), JOSA 66: 289
- ; Allen, Susan D.; Marburger, J. H.; Verber, Carl M.: Multimode integrated optical bistable switch (E), OL 3: 69
- ; McMahon, T. R.; Bass, Michael: Propagation of infrared light in flexible hollow waveguides (T), AO 15: 145
- ; McMahon, T. R.; Bass, Michael: Propagation of IR light in flexible hollow waveguides (T) (errata), AO 15: 2028
- Propagation of IR light in flexible hollow waveguides: further discussion (E), AO 15: 3037
- ; McMahon, T. R.; Bass, Michael: Quantitative study of propagation in hollow metal infrared waveguides (A), JOSA 68: 1372
- ; Bass, Michael; McMahon, T. R.: Waveguides for delivering infrared laser power (A), JOSA 66: 381
- ; Lovelace, D. F.; Thompson, G. H. B.: Zinc-diffused two-dimensional optical waveguides in n-type GaAs (ET), AO 15: 1394
- Garnir, H. P.** See Dumont, P. D., JOSA 68: 825; Livingston, A. E., JOSA 66: 1393
- Addition to the beam-foil study of S VII in the vacuum ultraviolet (E) (L), JOSA 69: 916
- ; Livingston, A. E.; Baudinet-Robinet, Y.; Dumont, P. D.; Biemont, E.; Grevesse, N.: Spectroscopic studies of Si v and Si vi between 500 and 1300 Å using the beam-foil method, JOSA 67: 751
- Garof, Karen D.** See Joseph, Bernard W., AO 17: 2672
- Garoff, Stephen**
- ; Meyer, Robert B.; Barakat, Richard: Kinematic and dynamic light scattering from the periodic structure of a chiral smectic C liquid crystal (TE), JOSA 68: 1217
- Garman, Sten.** See Spector, Nissan, JOSA 65: 1187, JOSA 67: 155
- ; Spector, Nissan: Transition probabilities for the  $5p^6p$ - $5p^6p$  array of Xe II (T), JOSA 66: 904
- Garratt, Michael W.** See Tucker, Compton J., AO 16: 635
- Garrett, D. L.**
- ; Tousey, Richard: Solar XUV grazing incidence spectrograph on Skylab (E), AO 16: 898
- Garratt, Owen K.**
- Experiments and observations with man in space (A), JOSA 64: 523
- Visual observations from space (E), JOSA 69: 1064
- Visual observations from space (E), JOSA 69: 1192
- Garrison, L. M.**
- ; Murray, L. E.; Doda, D. D.; Green, Alex E. S.: Diffuse-direct ultraviolet ratios with a compact double monochromator (ET), AO 17: 827
- ; Blaszcak, Z.; Green, Alex E. S.: Polarimetry of skylight in the ultraviolet (A), JOSA 69: 1411
- ; Doda, D. D.; Green, Alex E. S.: Total ozone determination by spectroradiometry in the middle ultraviolet (E), AO 18: 850
- ; Doda, D. D.; Green, Alex E. S.: Total ozone determination with a mobile spectroradiometer (A), JOSA 68: 1433
- ; Murray, L. E.; Green, Alex E. S.: Ultraviolet limit of solar radiation at the earth's surface with a photon counting monochromator (E) (L), AO 17: 683
- Garside, B. K.** See Efthimiopoulos, T., JOSA 67: 1425, AO 16: 70; El-Sherbiny, M. M., AO 18: 1198; Reid, John, JOSA 67: 1363, JOSA 68: 637, AO 17: 300, AO 17: 1806; Shewchun, J., AO 15: 340; Znotins, T. A., JOSA 67: 1441, OL 4: 253
- Computer Modeling of Gas Lasers. By Kenneth Smith and R. M. Thomson (B), AO 18: 1472
- ; Efthimiopoulos, T.: Gain measurement technique for high gain amplifiers (TE), AO 18: 3053
- ; Lim, T. K.; Marton, J. P.: Ray trajectories in optical fiber tapered sections (T), AO 17: 3670
- Garstens, M. A.**
- Excitons at High Density. Edited by H. H. Haken and S. Nikitine (B), AO 14: 2310
- Methods of Experimental Physics. Volume 2: Solid State Physics. Edited by R. V. Coleman (B), AO 14: 2799
- Theory and Application of Molecular Paramagnetism. Edited by E. A. Boudreaux and L. N. Mulay (B), AO 15: 2942
- Garton, R. S.** See Fonck, F. J., JOSA 68: 551
- Garvin, H. L.** See Somekh, S., AO 13: 327
- Gaska, James P.**
- ; Sturr, Joseph F.; Irvin, Gregg E.: Small adapting fields favor rod-cone interaction during early light adaptation (A), JOSA 69: 1453
- Gaskill, Jack D.** See Mahajan, Virendra N., JOSA 64: 561, JOSA 64: 400
- Gasparovic, R. F.** See Tubbs, L. D., JOSA 65: 1169
- Gasper, John**
- ; DePalma, J. J.: Effect of inter-particle absorption on the optical density of turbid media (A), JOSA 64: 549
- ; Sherman, George C.; Starnes, Jakob J.: Reflection and refraction of an arbitrary electromagnetic wave at a plane interface (T), JOSA 66: 955
- Gassend, Max L. A.**
- ; Davis, Kim I.; Boerner, Wolfgang-M.: Holographic recording of magnified dark-field images (A), JOSA 66: 384
- Gast, J.** See Gillespie, Richard E., JOSA 64: 1367
- Gast, Thomas J.**
- ; Burns, Stephen A.: Detection threshold for lights of varying purity (TE) (L), JOSA 69: 832
- Gaston, Eugene A.** See Spencer, Domina Eberle, JOSA 64: 546, JOSA 65: 1179, JOSA 65: 1129
- Gate, L. F.**
- Comparison of the photon diffusion model and Kubelka-Munk equation with the exact solution of the radiative transport equation (T) (L), AO 13: 236
- Gates, Ivo P.** See Stephany, Joseph F., AO 15: 307
- Gatzke, H. W.** See Louisell, William H., AO 18: 2730
- Gaudioso, S. L.** See Dunn, T. M., JOSA 64: 893
- Gaupp, A.** See Andrae, H. J., JOSA 65: 1410
- Gausman, H. W.**
- ; Allen, W. A.; Escobar, D. E.: Refractive index of plant cell walls (ET), AO 13: 109
- Gavin, Basil.** See Lulu, Bruce, JOSA 68: 1446
- Gavin, Mary**
- Comparative aspects of Hering's law (A), JOSA 68: 1359
- Gavrielides, A.**
- ; Peterson, P.: Power losses in lamellar gratings (T), AO 18: 4168
- Gazit, Y.** See Arad, B., JOSA 68: 544
- Gaylord, T. K.** See Magnusson, R., JOSA 65: 1219, JOSA 66: 1084, JOSA 67: 1438, JOSA 68: 1371, JOSA 68: 1371, JOSA 69: 1416, AO 13: 1545, AO 15: 3021, JOSA 67: 1165, JOSA 68: 809, JOSA 68: 1777; Moharam, M. G., JOSA 69: 1483; Su, S. F., JOSA 65: 1220, JOSA 66: 1084, AO 15: 1947, JOSA 65: 59
- Gaynor, John E.** See Hall, Freeman F., Jr., JOSA 66: 1066
- Gdoutos, E. E.** See Theocaris, P. S., AO 15: 1629, AO 16: 722
- Geacintov, N. E.** See Campillo, A. J., JOSA 68: 881
- Gearhart, R. A.** See Sheppard, John, JOSA 68: 629
- Geary, Joseph M.**
- ; Holmes, David F.; Harris, Michael: Interference problems in a coherent aberration sensor (E), AO 18: 2891
- Optical window interferograms: a simple method for their evaluation (ET), AO 16: 2134
- Gebel, Radames K. H.** See Anderson, Wayne J., AO 16: 515
- Gebhardt, F. G.** See Buser, Rudolf G., JOSA 66: 78, AO 14: 2740
- Gebhardt, Frederick G.** See Berger, Paul J., AO 16: 345
- High power laser propagation (R), AO 15: 1479
- Thermal-blooming effects on atmospheric propagation (A), JOSA 65: 1182
- Gebhart, Josef.** See Heyder, Joachim, AO 18: 705
- Gesellschaft fuer Aerosolforschung e. V., fifth annual meeting, Karlsruhe, 20-28 October 1977 (M), AO 17: 1305
- Geckeler, S.**
- Dispersion in optical fibers: new aspects (T), AO 17: 1023
- Pulse broadening in optical fibers with mode mixing (T), AO 18: 2192
- Gedeon, A.**
- ; Carnstam, B.: Attenuation in bends of diffused-stripe waveguides (A), JOSA 66: 289
- Effective thickness of optical waveguides in tunable directional couplers (T), JOSA 64: 615
- Gedzelman, Stanley David**
- Sky color near the horizon during a total solar eclipse (T), AO 14: 2831
- Gee, A. E.** See Felgett, P. B., AO 14: 279
- Geisler, Wilson S.**
- Increment-threshold functions measured during dark adaptation and against steady backgrounds (A), JOSA 69: 1454
- Geist, Jon.** See Blevin, W. R., AO 13: 1171, AO 13: 2212; Schaefer, A. Russell, AO 18: 1933; Zalewski, Edward F., AO 18: 3942
- ; Lind, Michael A.: Fundamental approach to the characterization of an electrically calibrated pyroelectric detector (A), JOSA 65: 1178
- Quantum efficiency of the  $p$ - $n$  junction in silicon as an absolute radiometric standard (T) (L), AO 18: 760
- Spectra of Finite Systems. By Heinrich P. Baltes and Eberhard R. Hilf (B), JOSA 67: 1694
- Gelbwachs, Jerry A.** See Wessel, John E., JOSA 69: 1428
- Doppler-free two-photon spectroscopy for monitoring stratospheric gases: an analysis (T), AO 15: 2654
- Limitation to optoacoustic detection of atmospheric gases by water vapor absorption (T) (L), AO 13: 1005
- Gelfand, Jack.** See Smith, W. Hayden, AO 15: 717
- Geller, Kenneth N.** See Cohen, Ariel, AO 15: 2805
- Geller, Myer.** See Mooradian, Gregory C., JOSA 66: 389, JOSA 68: 541, AO 18: 429
- Gellert, Robert I.** See Erdmann, Joachim C., JOSA 66: 635, JOSA 67: 1390, JOSA 66: 1194
- Gelles, Rubin**
- Off-center aberrations in nonaligned systems (T), JOSA 68: 1250
- Off-center aberrations in non-aligned systems (errata), JOSA 69: 208



- Unobscured-aperture two-mirror systems (T), JOSA 65: 1141
- Unobscured-aperture two-mirror systems (errata), JOSA 69: 208
- Gellman, R. See Kopeika, N. S., AO 16: 2470
- Gencelli, O.
- ; Iwema, D.; Vest, C. M.: Characterization of small particles by laser speckle (A), JOSA 68: 1443
- Genda, Hidesaburo
- ; Okayama, Hiroshi: Estimation of soil moisture and components by measuring the degree of spectral polarization with a remote sensing simulator (E), AO 17: 3439
  - ; Okayama, Hiroshi: Field-averaging spectrograph camera for remote sensing applications and its characteristics (E), AO 16: 601
  - ; Okayama, Hiroshi: Simulator for remote sensing and its application to soil moisture measurements (E), AO 17: 807
- Genter, C. Roy, II. See Geri, George A., JOSA 68: 1399, JOSA 69: 1478
- ; Weisstein, Naomi: Flickering stripes produce visual phantoms (A), JOSA 69: 1479
- Gentile, S. See Balzarotti, A., AO 14: 2412
- Genzel, L.
- ; Sakai, K.: Interferometry from 1950 to the present (R), JOSA 67: 871
  - ; Kuhl, J.: Tilt-compensated Michelson interferometer for Fourier transform spectroscopy, AO 17: 3304
- George, E. V.
- ; Review of ultraviolet lasers (A), JOSA 68: 1355
- George, Nicholas. See Abushagur, Mustafa A. G., JOSA 69: 1451; Hesselink, Lambertus, JOSA 68: 1370, JOSA 69: 1412; Livanos, Alexander C., AO 14: 608; Morris, G. M., JOSA 68: 1362, JOSA 69: 1435
- ; Hesselink, Lambertus: Laser propagation experiments using a controlled turbulent gaseous mixture (A), JOSA 67: 1375
  - ; Sinclair, Douglas C.: Laser speckle topical issue, JOSA 66: 1316
  - ; Morris, G. M.: Randomly serrated edges, lines, and apertures (A), JOSA 67: 1416
- Scattering by glass microballons and multitone interferometry (A), JOSA 66: 1135
- Speckle and remote sensing (A), JOSA 65: 1190
- ; Jain, Atul: Speckle from a thick diffuser (A), JOSA 65: 1196
- Speckle from rough, moving objects (T), JOSA 66: 1182
- ; Bennett, J. S.; Guenther, B. D.; Christensen, Charles R.: Speckle noise in displays (TE), JOSA 66: 1282
  - ; Jain, Atul: Spectral and spatial autocorrelation function for speckle intensity (A), JOSA 64: 544
- Wavelength sensitivity of speckle from an extended object (A), JOSA 66: 178
- George, Thomas F. See Lin, Jui-Teng, JOSA 69: 1472
- Georges, A. T. See Diels, J.-C., JOSA 68: 676, OL 1: 158
- Gerard, J.-C. See Marette, G., AO 15: 437
- Gerbaux, Xavier. See Hadni, Armand, AO 15: 2150
- ; Waldschmidt, Jean Marc; Hadni, Armand: Application de la methode des GETS a la preparation de films minces monocristallins de TGS et TGSe deuteriums pour spectroscopie infrarouge (E), AO 17: 1616
- Gerber, H. E.
- ; Portable cell for simultaneously measuring the coefficients of light scattering and extinction for ambient aerosols (E), AO 18: 1009
  - ; Stilling, R. K.; Buser, Rudolf G.; Rohde, Robert S.: Portable transmissometer (A), JOSA 67: 258
- Gerber, Kent
- ; Efficient generation of laser beams with an elliptic cross section: comments on (E) (L), AO 13: 1274
  - ; Light guide to photomultiplier coupler (TE) (L), AO 13: 1006
- Gerber, Robert A. See Patterson, E. L., JOSA 68: 651
- ; Hays, G. N.; Hoffman, J. M.; Patterson, E. L.; Tisone, G. C.: Energy extraction and beam-quality measurements of a high-energy HF laser (A), JOSA 68: 549
- Ultrahigh power lasers for practicable applications, SPIE/SPSE Technical Symposium East seminar 2, 21-23 Mar 1976 (M), AO 15: 1664
- Gerbig, V. See Case, Steven K., JOSA 69: 1481
- Gerck, Edgardo
- ; Cruz, Carlos H. Brito: Eigenvalue translation method for mode calculations (T), AO 18: 1341
  - ; Prony method revised (T) (L), AO 18: 3075
- Gerhardt, H.
- ; Lowe, R. S.; Dillenschneider, W.; Curl, Robert F.; Tittel, F. K.: Intermodulated fluorescence spectroscopy of free radicals with a stabilized dye laser (A), JOSA 68: 626
- Geri, George A.
- ; Kandel, Gillray L.; Genter, C. Roy, II; Breed, Henry E.: Directional sensitivities of the human  $\pi$ -mechanisms (A), JOSA 68: 1399
  - ; Genter, C. Roy, II; Kandel, Gillray L.: Psychophysical determination of receptor properties in a human albino (A), JOSA 69: 1478
- Gerlach, Ulrich H. See Sengupta, Uday K., OL 3: 199; Zakman, Zdravko M., JOSA 69: 1422
- German, K. R.
- ; Diffraction grating tuners for cw lasers (TE) (L), AO 18: 2348
  - ; Polarization beam splitters for pumping of F II-center lasers (E), OL 4: 68
- Gerritsen, H. J. See Jamison, S. A., JOSA 66: 1073; Jarasunas, K., JOSA 68: 679
- Gerry, Edward T.
- ; High-power electric-laser technology (A), JOSA 64: 542
- Gersten, Alexander. See Kaufman, Yoram J., AO 15: 353
- Gerstenkorn, S. See Luc, P., AO 17: 1327
- ; Stroke, H. H.: Determination of the odd-even staggering parameter in the spectrum of cadmium (T) (L), JOSA 66: 155
- Gervais, F. See Servoin, J. L., AO 16: 2952
- ; Servoin, J. L.: Analysis of infrared reflectivity in the presence of asymmetrical phonon line (A), JOSA 67: 255
  - ; Baumard, J. F.: Infrared properties of stoichiometric and nonstoichiometric rutile  $\text{TiO}_2$  (A), JOSA 67: 255
- Gervais, Mary Cook. See Harvey, Lewis O., Jr., JOSA 68: 1454
- Ghaem-Maghami, V. See May, A. D., JOSA 67: 1410
- Ghandeharian, Hossein
- ; Boerner, Wolfgang-M.: Degradation of holographic images due to depolarization of reflected light (TE), JOSA 68: 931
  - ; Boerner, Wolfgang-M.: Nonlinear effects in holography (A), JOSA 67: 1433
  - ; Beddoes, Michael P.: Suppression of intermodulation distortion in holography using multiple-reference beams (A), JOSA 69: 1416
- Ghandour, Edmond
- ; Stochastic rays in a waveguide, JOSA 66: 893
- Gharbi, A.
- ; le Duff, Y.: Measuring small depolarization factors in compressed gases: an improved method (E) (L), AO 16: 3074
- Ghatak, A. K. See Chandra, Ram, AO 17: 2842; Gupta, Anjana, JOSA 66: 1320; Hughes, J. L., AO 18: 2098; Rohra, Aruna, JOSA 69: 300; Thyagarajan, K., AO 16: 2583, AO 17: 2272, AO 17: 2416, AO 18: 607; Winkler, Clive, JOSA 68: 1408
- ; Goyal, I. C.; Kumar, Arun: Propagation of a Gaussian pulse through an optical fiber: applicability of geometrical optics (T) (L), AO 14: 2330
  - ; Thyagarajan, K.: Ray and energy propagation in graded-index media (T), JOSA 65: 169
- Ghigo, F. D.
- ; Shelus, P. J.; Silverberg, E. C.; Faller, J. E.: Laser range measurements using non-Gaussian pulse shapes (T) (L), AO 15: 2621
- Ghosh, Gorachand. See Bhar, Gopal C., JOSA 69: 730
- Ghozeil, I.
- ; Comparison of interferometric and screen test results (A), JOSA 68: 1445
  - ; Simmons, J. E.: Screen test for large mirrors (E), AO 13: 1773
- Giallorenzi, Thomas G. See Bulmer, C. H., AO 18: 3282; Deitch, R. H., AO 13: 712; Lin, Shih-Chun, AO 18: 915; Sheem, Sang K., OL 3: 73, OL 4: 29; Steinberg, R. A., JOSA 66: 289, AO 15: 2440, AO 16: 2166, JOSA 67: 523; Weller, J. F., AO 14: 2329
- Gianino, Peter D. See Bendow, Bernard, OL 4: 164, AO 13: 2382, AO 14: 277; Eyges, Leonard, JOSA 69: 1226; Tzoar, Narkis, JOSA 68: 1359
- Giannaris, R. J. See Mooradian, Gregory C., JOSA 68: 541
- Giannini, Franco
- ; Maltese, Paolo; Sorrentino, Roberto: Liquid crystal improved technique for thermal field measurements (E), AO 18: 3048
- Giat, O. See Huck, Fred O., AO 16: 2454
- Gibbons, G.
- ; Progress in LEDs as signal sources (A), JOSA 67: 708
- Gibbons, W. D. See Taboada, J., AO 17: 2871
- Gibbs, A. J. See Stotlar, S. C., JOSA 69: 373, JOSA 69: 1472; Viswanathan, V. K., JOSA 69: 1454
- Gibbs, H. M. See Hu, Patrick C., JOSA 68: 1630; McCall, S. L., JOSA 65: 1184, JOSA 68: 1378; Vrehen, Q. H. F., JOSA 68: 699
- Gibbs, W. E. K. See McLachlan, A. D., AO 16: 544
- ; Butterfield, A. W.: Absorption of thin film materials at  $10.6 \mu\text{m}$  (ET), AO 14: 3043
- Gibson, C. H. See Friehe, Carl A., JOSA 65: 1502
- Gibson, F. P. See Holzer, J. A., JOSA 64: 1391; Miller, T. G., JOSA 65: 1191
- Gibson, Frank W.
- ; *In situ* photometric observations of optical scattering properties of atmospheric aerosols (A), JOSA 65: 1174
  - ; *In situ* photometric observations of angular scattering from atmospheric aerosols (E), AO 15: 2520
- Gibson, Glenn A. See Pierluissi, Joseph H., AO 15: 19, AO 17: 1425
- Gibson, J. W. See Holm, R. T., JOSA 67: 253; Palik, E. D., JOSA 65: 1195, AO 17: 1776
- Giedt, R. R. See Chodzko, R. A., AO 15: 2367
- Gieres, G. See Ott, William R., JOSA 64: 1405, AO 14: 2121
- Giese, R. H. See Zerull, R. H., AO 16: 777
- Gigosos, M. A. See Mar, S., AO 18: 2914
- Gik, L. D. See Arnautov, G. P., AO 13: 310
- Gil, M. A.
- ; Simon, Juan M.: Coma compensation in a parabolized Ebert monochromator (T), AO 18: 2280
- Gilbert, John A. See Sciammarella, Cesar A., AO 15: 2176
- Gilby, A. C.
- ; Simple variable-angle ATR spectrophotometer accessory (E) (L), AO 13: 2479
- Gilden, M. See Cheo, Peter K., OL 1: 38
- Giles, Michael K.
- ; Aberration tolerances for visual optical systems, JOSA 67: 634
  - ; Effects of aberrations on visual optical systems (A), JOSA 66: 1120
- Gilgen, H. See Salathe, Rene, AO 16: 2621
- Gilham, E. J.
- ; Radiation standards (E), AO 16: 300
- Gilinsky, Albert S.
- ; Neurophysiological basis for figure and ground (errata), JOSA 64: 258
  - ; Perception, Learning and Thinking: Psychophysiological Induction Theory. By Torao Obonai (B), JOSA 68: 1286
- Gill, Dennis H. See Newnam, Brian E., JOSA 66: 166
- ; Newnam, Brian E.: Damage resistance of holographic and ruled gratings used as laser wavelength-tuning elements (A), JOSA 66: 383
  - ; Newnam, Brian E.; Hartman, John S.; Coleman, William J.: Super-high damage thresholds for RF-sputtered  $\text{TiO}_2$  films (A), JOSA 66: 78
- Gill, Robert B.
- ; Room temperature cw GaAs and GaAlAs lasers (A), JOSA 66: 383
- Gillard, P.
- ; Foltz, N. D.; Cho, C. W.: Spectrum of potassium vapor in a dye laser cavity at  $7900\text{--}8400 \text{ \AA}$  (A), JOSA 67: 1432
- Gille, Jennifer. See Thomas, James P., JOSA 69: 652
- ; Woodward, J. Arthur: Comparison of detection and identification of sine-wave gratings (A), JOSA 68: 1439
- Gilles, J. M. See Langlet, A., AO 16: 1841
- Gillespie, B. See Livingston, William C., AO 15: 33
- Gillespie, James B. See Bruce, Rufus E., AO 16: 1783; Jennings, S. G., AO 18: 1368; Lindberg, James D., JOSA 67: 1364, AO 16: 2627, AO 16: 2628
- ; Lindberg, James D.: Imaginary refractive index determinations of the strong absorption in atmospheric dust in the  $2.0\text{--}3.0 \mu\text{m}$  spectral region (A), JOSA 67: 1363



- ; Lindberg, James D.; Laude, Larry S.: Kubelka-Munk optical coefficients for a barium sulfate white reflectance standard (E) (L), AO 14: 807
- ; Jennings, S. G.; Lindberg, James D.: Use of an average complex refractive index in atmospheric propagation calculations (T) (L), AO 17: 989
- Gillespie, Patti S.**
- ; Armstrong, R. L.; White, Kenneth O.: Spectral characteristics and atmospheric CO<sub>2</sub> absorption of the Ho<sup>3+</sup>:YLF laser at 2.05  $\mu$ m (E) (L), AO 15: 865
- Gillespie, Richard E.**
- FMS used as a toxic-gas analyzer (A), JOSA 64: 1363
- ; Gast, J.: New FMS systems description and applications (A), JOSA 64: 1367
- Gillette, D. A.** See Patterson, E. M., JOSA 67: 257
- Gilmartin, Thomas J.**
- ; Holtz, James Z.: Focused beam and atmospheric coherence measurements at 10.6  $\mu$ m and 0.63  $\mu$ m (E), AO 13: 1906
- Nova: the laser fusion scientific feasibility experiment (A), JOSA 68: 548
- Gilmore, R.** See Narducci, Lorenzo M., JOSA 67: 1367, OL 2: 88
- Gimlett, James I.**
- ; Garbaccio, Donald H.: Multiple docking adapter window for the S-190 experiment (TE), AO 13: 2629
- Gindele, K.** See Doebele, H. F., AO 16: 2403
- Gindi, G. R.** See Chiu, M. Y., JOSA 69: 1323
- Gingerich, Michael E.** See Schneider, Irwin, AO 15: 2428
- Ginsburg, Arthur P.**
- ; Cannon, Mark W.: Evidence for linearity in the suprathreshold contrast perception of complex objects (A), JOSA 69: 1452
- Perceptual correlates of a two-dimensional spatial-frequency model of the human visual system (A), JOSA 64: 257
- ; Evans, David W.: Predicting visual illusions from filtered images based upon biological data (A), JOSA 69: 1443
- Relationship between the detection and recognition of Snellen letters and contrast sensitivity for normal and abnormal visual systems (A), JOSA 68: 1455
- Ginsburg, Nathan.** See Palik, E. D., AO 17: 3345
- History of far-infrared research. II. The grating era, 1925–1960 (R), JOSA 67: 865
- Ginter, Marshall L.** See Brown, Charles M., JOSA 64: 877, JOSA 64: 1665, JOSA 65: 385, JOSA 65: 1404, JOSA 67: 584, JOSA 67: 607, JOSA 67: 1240, JOSA 67: 1323, JOSA 68: 243, JOSA 68: 817, JOSA 68: 1541
- Gintner, Henry**
- WAVORTH automatic-lens-design program (A), JOSA 64: 564
- Giorgi, Colin M.** See Bartell, Frederick O., JOSA 66: 1097
- Giovane, Frank.** See Schuerman, Donald W., AO 16: 1591
- ; Schuerman, Donald W.; Greenberg, J. Mayo: Photographic coronagraph, Skylab particulate experiment T025 (E), AO 16: 993
- Girard, Andre.** See Fontanella, Jean-Claude, AO 14: 825
- ; Gramont, L.; Louisnard, Nicole; Ackerman, M.; Frimout, D.: Grille spectrometers for the study of stratospheric nitrogen compounds (A), JOSA 64: 256
- ; Chin, S. L.; Delisle, Claude: Penetration depth of 10.6- $\mu$ m radiation in Plexiglas (E) (L), AO 18: 1295
- Gires, F.** See Azema, A., JOSA 66: 292; Botineau, J., AO 17: 1208
- Giriappa, T.** See Ih, Charles S., JOSA 67: 1434, AO 17: 1582
- Giroux, R.** See Fischer, Heinz, AO 13: 1759
- Girouard, F. E.** See Chee, K. T., AO 18: 1702
- Gitomer, Steven J.** See Feldman, B. J., AO 15: 1379, AO 16: 1484; Strosio, Michael A., JOSA 68: 661
- ; Linnebur, Eldon J.; McCall, Gene H.: Modeling emission spectra from CO<sub>2</sub> laser produced plasmas (A), JOSA 68: 659
- Gittleman, J. I.** See Ables, B., AO 15: 2328
- Giuliani, J. F.**
- ; Van Laak, J.: Laser-induced birefringence in polar liquids (ET) (L), JOSA 66: 372
- Multiphoton excitation and emission from europium ions in aqueous solution (E), OL 3: 149
- Giuliano, Concetto R.** See Lind, Richard C., JOSA 69: 372; Wang, Victor, OL 2: 4
- Giutronich, J. E.** See Mills, D. R., JOSA 69: 325
- Givens, M. P.** See Gur, Joshua, JOSA 67: 1406
- Giver, L. P.** See Chackerian, C., Jr., AO 14: 1993
- Gladden, James W.** See Graver, William R., JOSA 68: 1396
- Glaser, I.** See Besos, J., JOSA 67: 1407; Friesem, A. A., AO 16: 2363
- ; Barrett, Harrison H.: Halftone screen techniques for photographic film response shaping with application to optical processing of medical x-ray images (TE), AO 18: 2294
- ; Barrett, Harrison H.: Photographic-film response shaping by halftone screen for optical processing of medical x-ray images (A), JOSA 68: 1436
- ; Friesem, A. A.: Spatial multiplex tomography (A), JOSA 65: 1188
- Glaser, Peter**
- Satellite solar power option (A), JOSA 66: 1071
- Glass, A. M.** See Negran, T. J., AO 17: 2812
- Glass, Alexander J.** See Bettis, J. R., JOSA 66: 383; Boling, N. L., JOSA 68: 643; Greenbaum, Anne, AO 15: 2579
- ; Goodwin, Edmund J.; Trenholme, John B.: Design of illumination systems for two-beam laser fusion experiments (A), JOSA 66: 390
- ; Guenther, Arthur H.: Laser induced damage in optical materials: 6th ASTM symposium (ET), AO 14: 698
- ; Guenther, Arthur H.: Laser induced damage in optical materials: 7th ASTM symposium (R), AO 15: 1510
- ; Guenther, Arthur H.: Laser induced damage in optical materials: 8th ASTM symposium (R), AO 16: 1214
- ; Guenther, Arthur H.: Laser induced damage in optical materials: ninth ASTM symposium (R), AO 17: 2386
- ; Guenther, Arthur H.: Laser induced damage in optical materials: tenth ASTM symposium (ER), AO 18: 2112
- ; Guenther, Arthur H.: Laser induced damage to optical materials, 1973: a conference report (R), AO 13: 74
- Glass, I. I.** See Roig, Randy A., JOSA 66: 1068
- Glass, Reuben C.**
- Holographic Interferometry. By Yu. I. Ostrovskii, M. M. Butusov, and G. V. Ostrovskaya (B), AO 18: 1130
- Optical Telescopes, Theory and Design. By N. N. Mikhelson (B), AO 18: 416
- Principles of Laser Techniques: Solid-State Lasers. By B. R. Belostotskii, Yu. V. Lyubavskii, and V. M. Ovchinnikov. Edited by A. M. Prokhorov (B), AO 18: 1130
- Theoretical Principles of Optoelectronic Devices. By M. M. Miroshnikov (B), AO 18: 2012
- Glass, S. J.**
- Quantum Statistics in Optics and Solid-State Physics. By R. Graham and F. Haake (B), AO 15: 2291
- Glaser, J.**
- ; Chapelle, J.; Boettner, J. C.: Abel inversion applied to plasma spectroscopy: a new interactive method (T), AO 17: 3750
- Glaser, L. A.** See Ho, P.-T., JOSA 68: 1620
- Glassman, A. J.** See Bulos, E. R., JOSA 68: 842
- Glassman, I.** See Santoro, R. J., AO 17: 3843
- Glatt, I.** See Benmair, R. M. J., JOSA 68: 1640
- Glauber, Roy J.**
- Coherence in quantum optics (A), JOSA 68: 699
- Coherent spontaneous emission of light (A), JOSA 68: 1419
- Glaze, D. J.** See Barger, R. L., JOSA 68: 1634
- Glaze, James A.** See Hunt, J. T., AO 17: 2053; Linford, Gary J., AO 14: 3057; Manes, Kenneth R., JOSA 68: 1646
- ; Guch, Steve, Jr.; Trenholme, John B.: Parasitic suppression in large aperture Nd:glass disk laser amplifiers (T), AO 13: 2808
- ; Simmons, W. W.; Hagen, W. F.: Quadratic apodization: a technique for minimizing intensity-induced aberrations in high-power lasers (A), JOSA 65: 1208
- ; Bliss, E. S.: Self-induced beam steering of intense laser pulses in nonlinear media (T) (L), AO 13: 1288
- ; Godwin, R. O.: Shiva laser system for fusion research (A), JOSA 68: 547
- Glenn, W. H.** See Fowler, Michael C., AO 15: 2624; Morey, W. W., JOSA 66: 386
- Glenn, William H.**
- Synthetic-aperture optical-radar techniques (A), JOSA 64: 541
- Gloge, D.**
- ; Chinnock, E. L.; Lee, T. P.: GaAs twin-laser setup to measure mode and material dispersion in optical fibers (E), AO 13: 261
- Optical fibers for communication (R), AO 13: 249
- Planar Optical Waveguides and Fibers. By H. G. Unger (B), AO 18: 411
- Gmitro, A. F.** See Greivenkamp, J. E., JOSA 68: 1437
- ; Barrett, Harrison H.; Gordon, Scott K.; Greivenkamp, J. E.; Swindell, William: Recent advances in uncomputerized transaxial tomography. II. The drum processor (A), JOSA 68: 1437
- Goben, C. A.** See Bell, Robert J., AO 14: 1322, AO 14: 1579; Davarpanah, M., AO 15: 3066; Singh, A. K., AO 17: 3459
- ; Begley, D. L.; Davarpanah, M.: Mode selective filtering by a coupling mechanism between glass fiber and thin-film slab waveguide (E) (L), AO 13: 2757
- ; Begley, D. L.; Davarpanah, M.: Mode selective filtering by a coupling mechanism between glass fiber and thin-film slab waveguide (errata), AO 14: 1481
- Gobert, G.** See Carel, C., AO 16: 1275
- Gochelashvili, K. S.** See Aksenov, V. P., AO 15: 1172
- Godfrey, L. A.**
- ; Meltzer, R. S.; Rives, J. E.: Quadaxial high repetition rate adapter for coaxial flashlamp pumping of laser dyes (E) (L), AO 18: 602
- Godwin, R. O.** See Glaze, James A., JOSA 68: 1172
- Godwin, Robert P.**
- Absorption in laser-produced plasma experiments: a personal view (ET, R), AO 18: 3555
- Goebel, J. G.** See Holah, G. D., AO 18: 3526
- Goebel, J. H.**
- Behavior of submillimeter Fabry-Perots at 1.2 K (A), JOSA 68: 1366
- Goedecke, G. H.**
- Complex-reflectivity dispersion relation and radiation reaction (T) (L), JOSA 65: 1075
- Dispersion relations and complex reflectivity (T), JOSA 65: 146
- Radiative transfer in closely packed media (T), JOSA 67: 1339
- Goedertier, P. V.** See Gorog, I., AO 15: 1425
- Goedebuer, Jean-Pierre.** See Vienot, Jean-Charles, AO 16: 454
- Goetz, Wayne C.** See Saleh, Bahaa E. A., JOSA 68: 1375, JOSA 69: 1443, JOSA 69: 1172
- Goela, J. S.**
- ; Morse, T. F.: Increased inversion efficiency in optically pumped two-level molecular systems (TE), OL 4: 375
- Goell, J. E.**
- Technical equipment for optical fiber lines (A), JOSA 66: 290
- Goerke, K.** See Frank, W., AO 17: 1413
- Goertz, Adalbert**
- Relation for energy levels of atoms and ions (L), JOSA 65: 1382
- Goetz, J.**
- ; Haeusler, G.; Sesselmann, R.: Television-optical operational amplifier (ET), AO 18: 2754
- Goff, R. W.** See DiMarzio, C. A., JOSA 68: 541
- Goggin, W. R.**
- Thermomechanical stability of graphite/epoxy composites (E), AO 13: 444
- Gold, Albert**
- Mulliken, Robert S., Selected Papers of. Edited by D. A. Ramsey and J. Hinze (B), JOSA 66: 508
- Gold, Louis**
- Lens structure for giant refractor telescopes (T) (L), AO 15: 1655
- Goldberg, B.**
- ; Klein, W. H.: Radiometer to monitor low levels of ultraviolet irradiance (E), AO 13: 493
- Goldberg, Lawrence S.** See Bradford, J. N., JOSA 66: 1073; Faust, W. L., JOSA 68: 639
- Narrow-bandwidth tunable infrared difference-frequency generation at high repetition rates in LiIO<sub>3</sub> (E), AO 14: 653
- Goldberg, Lew**
- ; Lee, Sing H.: Integrated optical half adder circuit (E), AO 18: 2045
- Goldberger, Sam M.** See Tyler, Christopher William, JOSA 68: 1455
- Golden, J. See Eden, J. Gary, JOSA 68: 1355, JOSA 68: 1646**
- Golden, Lewis J.**
- ; Anderson, R. C.: Complex 8-13 micron targets (A), JOSA 66: 1097



- Dynamic Hartmann test (ET), AO 14: 2391  
Wavefront error simulator for evaluating optical testing instrumentation (ET), AO 14: 2756  
Zernike test. 1: Analytical aspects (T), AO 16: 205  
Zernike test. 2: Experimental aspects (E), AO 16: 214
- Goldhar, J.** See Murray, J. R., JOSA 68: 548, JOSA 68: 663, JOSA 68: 705  
—; Murray, J. R.: Injection-locked, narrow-band KrF discharge laser using an unstable resonator cavity (E), OL 1: 199
- Goldlist, G. I.** See Matuk, Y., JOSA 64: 1373
- Goldman, A.** See Blatherwick, R. D., AO 18: 3798; Rothman, L. S., AO 17: 507; Schmidt, S. C., AO 13: 1202  
Infrared spectral radiance of a hot source through an atmospheric path (T) (L), AO 15: 2613  
Infrared spectral radiance of a hot source through an atmospheric path (errata), AO 16: 285  
—; Blatherwick, R. D.; Murcray, F. H.; VanAllen, J. W.; Bradford, C. M.; Cook, G. R.; Murcray, D. G.: New atlas of IR solar spectra (E) (L), AO 18: 604  
—; Bonomo, F. S.; Murcray, D. G.: Statistical band model analysis and integrated intensity for the 11.8- $\mu$ m band of CFC1<sub>3</sub> (E) (L), AO 15: 2305  
—; Bonomo, F. S.; Williams, W. J.; Murcray, D. G.: Statistical-band-model analysis and integrated intensity for the 21.8  $\mu$ m bands of HNO<sub>3</sub> vapor (T), JOSA 65: 10
- Goldman, Allen M.**  
Physics of Liquid and Solid Helium, Part 1. Edited by K. H. Bennemann and J. B. Ketterson (B), AO 16: 789
- Goldman, L. M.**  
Impact of a laser fusion breeder on nuclear economy (A), JOSA 68: 546
- Goldner, R. B.**  
—; Haskal, Haim M.: Indium tin oxide-coated silicon as a selective absorber (ET) (L), AO 14: 2328  
Temperature dependence of the 10.6- $\mu$ m reflectivity of ITO-coated silicon (E) (L), AO 16: 808
- Goldsmith, J. E. M.** See Weber, E. W., JOSA 68: 1633  
—; Ferguson, A. I.; Lawler, J. E.; Schawlow, Arthur L.: Doppler-free two-photon optogalvanic spectroscopy (E), OL 4: 230  
—; Weber, E. W.; Haensch, Theo W.: New measurement of the Rydberg constant using polarization spectroscopy of Balmer- $\alpha$  (A), JOSA 68: 1411  
—; Weber, E. W.; Kowalski, F. V.; Schawlow, Arthur L.: Precision interferometer calibration technique for wavelength measurements: iodine wavelengths at 633 nm and H<sub>2</sub> (E), AO 18: 1983
- Goldsmith, L.** See Swartz, M., JOSA 66: 240
- Goldsmith, Samuel**  
—; Conway, John G.: Analysis of the configurations 5d<sup>4</sup>6s<sup>2</sup> in Pt I through Hg III and 5d<sup>9</sup>6p in Pt I through Bi VI (T), JOSA 65: 1371
- Goldstein, F. T.**  
Multilayer filters for color temperature modification (A), JOSA 69: 1438
- Goldstein, Gerald A.** See Nelson, Burke E., AO 13: 2109
- Goldstein, I. S.**  
Material science aspects of thin-film characterization (A), JOSA 69: 1426
- Goldstein, L. F.**  
—; Thompson, J. S.; Schroeder, J. B.; Slaterry, J. E.: Stress-optic coefficients of ZnSe (E), AO 14: 2432
- Goldstein, Shyke A.** See Cooperstein, G., JOSA 68: 545; Mosher, D., JOSA 68: 545
- Goldstein, Steven A.** See Mendel, Clifford W., Jr., JOSA 68: 545
- Goldstone, Philip D.** See Benjamin, Robert F., AO 17: 3809
- Goldwire, H. C., Jr.** See Rundel, R. D., JOSA 65: 628
- Gomez-Reino, C.**  
—; Cuadrado, J.; Martinez; Martin, M. V. Perez: Optically produced linear zone plates (ET), AO 18: 3032
- Gomez, Richard B.** See Hoidale, Glenn B., JOSA 67: 256, JOSA 67: 1689; Low, Richard D. H., JOSA 67: 261; Pierluissi, Joseph H., AO 15: 19, AO 16: 18, AO 17: 1425, AO 18: 1607
- Gonsalves, R. A.** See Devaney, A. J., JOSA 67: 1422, JOSA 68: 1386  
Cramer-Rao bounds on mensuration errors (TE), AO 15: 1270  
Phase retrieval from modulus data (T), JOSA 66: 961
- Gonzalez-del-Valle, A.** See Davidson, F., JOSA 65: 655  
—; Davidson, F.: Photon-counting measurements of optical-field irradiance fluctuations in a turbulent atmosphere (A), JOSA 65: 1218
- Goodell, John B.** See Muffoletto, C. Verne, JOSA 66: 1124; Williams, Vernon L., JOSA 66: 79, JOSA 68: 1424  
Blackbody images from ambient temperature gases (A), JOSA 67: 1420  
—; Williams, Vernon L.: Polarization effects caused by metal corner cubes in laser cavities (A), JOSA 66: 1133  
Smoothing techniques in spread function reconstruction (A), JOSA 68: 1426  
—; Williams, Vernon L.; Carnahan, Sam: Thermal blooming versus time for lasers focused in a liquid (A), JOSA 67: 1436  
—; Williams, Vernon L.: Ultraviolet polarization effects caused by metal corner cubes in laser cavities (A), JOSA 67: 1436
- Goodenough, David J.**  
Application of optical instrumentation in medicine, 4th SPIE/SPSE seminar, Atlanta, 25-27 Sep 1975 (M), AO 15: 839
- Goodman, Alvin M.**  
Optical interference method for the approximate determination of refractive index and thickness of a transparent layer (TE), AO 17: 2779
- Goodman, D. S.** See Bartell, Frederick O., JOSA 67: 252
- Goodman, Joseph W.** See Dutta, K., JOSA 67: 796; Huang, Alan, AO 18: 149; Kato, Hisatoyo, AO 14: 1813; Kellman, Peter, AO 16: 2609; Liu, Hua-Kuang, AO 15: 2394; Marom, Emanuel, AO 17: 172; Peri, David, JOSA 69: 1450; Powers, Robert S., JOSA 64: 1395, AO 14: 1690; Rawson, Eric G., JOSA 66: 1290; Smith, R. C., JOSA 65: 1196; Tichenor, D. A., AO 14: 1059; Tsunoda, Yoshito, AO 16: 2607  
Coherent optical image processing (A), JOSA 66: 168  
Comparative sensitivities of stellar speckle interferometry and amplitude interferometry (A), JOSA 66: 1077  
—; Dias, A. R.; Woody, L. M.; Erickson, J.: Developments in the use of incoherent optical systems for matrix-vector multiplication (A), JOSA 68: 1414  
Editor's acknowledgments, JOSA 69: 209  
Effects of material properties on holographic image formation: a tutorial review (A), JOSA 64: 1388  
—; Dias, A. R.; Woody, L. M.: Fully parallel, high-speed incoherent optical method for performing discrete Fourier transforms (TE), OL 2: 1  
Fundamental properties of speckle (T), JOSA 66: 1145  
—; Kellman, Peter; Hansen, E. W.: Linear space-variant optical processing of 1-D signals (TE), AO 16: 733  
Parallel incoherent optical hybrid processor (A), JOSA 69: 1431  
—; Woody, L. M.: Performing complex-valued data processing operations with incoherent light (A), JOSA 67: 1423  
—; Woody, L. M.: Performing complex-valued linear operations on complex-valued data using incoherent light (T) (L), AO 16: 2611  
Statistical properties of speckle in monochromatic light (A), JOSA 66: 176
- Goodman, L. S.** See Childs, W. J., OL 4: 35, OL 4: 63, AO 13: 2297, JOSA 67: 747, JOSA 67: 1230, JOSA 68: 1348, JOSA 69: 815
- Goodman, N. B.**  
—; Ignatius, R.; Wharton, L.; Winston, Roland: Solid-dielectric compound parabolic concentrators: on their use with photovoltaic devices (E), AO 15: 2434
- Goodson, James E.**  
Dynamics of an image viewed through a rotating mirror (T), JOSA 69: 771
- Goodwin, Edmund J.** See Glass, Alexander J., JOSA 66: 390
- Goodwin, F. E.**  
—; Henderson, D. M.; Nussmeier, T. A.; Stokes, L. S.: Performance and growth potential of CO<sub>2</sub> laser space communication systems (A), JOSA 66: 388  
—; Henderson, D. M.; Reiss, A.; Wilkerson, John L.: Waveguide electro-optic modulator for CO<sub>2</sub> lasers (A), JOSA 66: 389
- Goody, Richard.** See Murray, Frank J., AO 17: 3117
- Goorvitch, David.** See Kunz, Louis W., AO 13: 1077  
Galaxy profile convolved with the Fabry-Perot instrument function (T), AO 16: 1732  
Phase correction for a Michelson interferometer with misaligned mirrors (T), AO 14: 1387
- Gordley, Larry L.** See Remsberg, Ellis E., AO 17: 624
- Gordon, Howard R.** See Brown, Otis B., AO 13: 2874  
—; Jacobs, Michael M.: Albedo of the ocean-atmosphere system: influence of sea foam (T), AO 16: 2257  
—; Brown, Otis B.; Jacobs, Michael M.: Computed relationships between the inherent and apparent optical properties of a flat homogeneous ocean (T), AO 14: 417  
—; Brown, Otis B.: Diffuse reflectance of the ocean: some effects of vertical structure (T), AO 14: 2892  
Diffuse reflectance of the ocean: the theory of its augmentation by chlorophyll *a* fluorescence at 685 nm (T), AO 18: 1161  
—; McCluney, W. R.: Estimation of the depth of sunlight penetration in the sea for remote sensing (T), AO 14: 413  
Estimation of the depth of sunlight penetration in natural waters for the remote sensing of chlorophyll *a* via *in vivo* fluorescence (T) (L), AO 18: 1883  
—; Brown, Otis B.: Influence of bottom depth and albedo on the diffuse reflectance of a flat homogeneous ocean (T), AO 13: 2153  
Irradiance attenuation coefficient in a stratified ocean: a local property of the medium? (A), JOSA 68: 1424  
One-parameter characterization of the ocean's inherent optical properties for remote sensing (T) (L), AO 16: 2627  
OSA Florida Section, fall meeting, University of Miami, 5 Nov 1977 (M), AO 17: 677  
Radiative transfer in the ocean: a method for determination of absorption and scattering properties (E) (L), AO 15: 2611  
Radiative transfer: technique for simulating the ocean in satellite remote sensing calculations (T), AO 15: 1974  
—; Wouters, Alain W.: Relationships between Secchi depth and inherent optical properties of natural waters (T) (L), AO 17: 3341  
Remote sensing of optical properties in continuously stratified waters (T), AO 17: 1893  
Removal of atmospheric effects from satellite imagery of the oceans (T), AO 17: 1631  
Spectral variations in the volume scattering function at large angles in natural waters (TE), JOSA 64: 773
- Gordon, J. P.** See Ashkin, A., OL 4: 161
- Gordon, Jacqueline I.**  
—; Edgerton, Catharine F.; Duntley, Seibert Q.: Signal-light nomogram (TE), JOSA 65: 111
- Gordon, James.** See Abramov, Israel, JOSA 67: 195  
—; Abramov, Israel: Color vision in the peripheral retina. II. Hue and saturation (E), JOSA 67: 202
- Gordon, K. S.**  
—; Rawson, Eric G.; Nafarrate, Antonio B.: Fiber-break testing by interferometry: a comparison of two breaking methods (E) (L), AO 16: 818  
—; Rawson, Eric G.; Norton, Robert E.: Splice losses in step-index fibers: dependency on fiber-break angle (E), AO 16: 2372  
—; Rawson, Eric G.; Norton, Robert E.: Splice losses in step-index fibers: dependency on fiber-break angle (errata), AO 16: 2774
- Gordon, R. L.** See Hildebrand, B. P., AO 13: 177  
Annealing procedure for self-scanned diode arrays (E) (L), AO 15: 1909
- Gordon, Richard**  
Feedback control of exposure geometry in dental radiography workshop, University of Connecticut, 16 May 1978 (M), AO 18: 1769
- Gordon, Richard L.** See Lessor, Delbert L., JOSA 69: 357
- Gordon, Scott K.** See Barrett, Harrison H., JOSA 65: 1183, AO 18: 2760; Gmitro, A. F., JOSA 68: 1437; Greivenkamp, J. E., JOSA 68: 1437



- ; Swindell, William; Barrett, Harrison H.: Incoherent optical computing for transaxial tomography (A), JOSA 66: 1110
- ; Jacobs, Stephen F.: Modification of inexpensive multimode lasers to produce a stabilized single frequency beam (E) (L), AO 13: 231
- Gordon, William A.**  
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- Goren, R. N.** See Streifer, William, AO 13: 1299, AO 13: 2189
- Gori, F.** See Amadesi, S., AO 13: 2009; De Santis, P., AO 15: 2385
- ; Paolucci, S.; Ronchi, Laura: Degrees of freedom of an optical image in coherent illumination, in the presence of aberrations (T), JOSA 65: 495
- ; Guattari, G.: Degrees of freedom of images from point-like-element pupils (T), JOSA 64: 453
- Integral equations for incoherent imagery (T), JOSA 64: 1237
- Quasi-homogeneous sources and geometrical optics (T), OL 4: 354
- Goring, W. P.** See Marathay, Arwind S., JOSA 68: 1410
- Gorman, R. Paul.** See Shupe, David, AO 18: 4046
- Gorog, I.** See Cohen, Roger W., JOSA 64: 554
- ; Goedertier, P. V.; Knox, J. D.; Ladany, I.; Wittke, J. P.; Firester, Arthur H.: Information scanning technology: applications of cw AlGaAs injection lasers (E), AO 15: 1425
- Gorokhov, Yu. A.** See Ambartzumian, R. V., OL 1: 22
- Goruk, W. S.** See Stegeman, George L., JOSA 65: 1165
- Gosling, J. T.** See Poland, A. I., AO 16: 926
- Gosselin, Robert N.** See Pinnington, Eric H., JOSA 67: 1384, JOSA 68: 1446
- Goto, Y.** See Inagaki, Takefumi, AO 13: 819
- Gotobed, J. S.** See Burke, James J., JOSA 69: 1450
- Gottlieb, Milton.** See Brandt, Gerald B., JOSA 65: 1222, JOSA 66: 289, JOSA 66: 1094, JOSA 68: 1372, JOSA 67: 1269
- ; Brandt, Gerald B.: Integrated optical deflector using bulk acoustic waves (A), JOSA 65: 1222
- ; Brandt, Gerald B.: Integrated optics analog to digital converter (A), JOSA 69: 1459
- ; Isaacs, T. J.: Optical and acoustic properties of arsenic pentasulfide glass (L), AO 17: 2482
- Optical Fibers for Transmission. By John E. Midwinter (B), AO 18: 3164
- ; Brandt, Gerald B.; Schruben, J. S.: Out-of-plane scattering in optical waveguides (A), JOSA 68: 1372
- ; Feichtner, J. D.: Tunable acousto-optical filter operation at 10  $\mu$ m (A), JOSA 68: 1449
- Gottschalk, G.** See Higgins, Kent E., JOSA 68: 1392
- Gouesbet, Gerard.** See Grehan, Gerard, AO 18: 3489
- Gough, P. T.** See Armstrong, S. A., JOSA 68: 568; Santamaria, J., AO 16: 1513
- Gough, Peter T.**  
—; Boerner, Wolfgang-M.: Depolarization of specular scatter as an aid to discriminating between a rough dielectric surface and an "identical" rough metallic surface (E), JOSA 69: 1212
- Gough, T. E.**  
—; Miller, R. E.; Scoles, G.: Sub-Doppler infrared spectroscopy of molecular beams (A), JOSA 67: 1440
- ; Miller, R. E.; Scoles, G.; Nill, K. W.: Sub-Doppler resolution spectroscopy of supersonic molecular beams of nitric oxide (A), JOSA 68: 625
- ; Miller, R. E.; Scoles, G.: Vibrational predissociation of van der Waal's molecules (A), JOSA 68: 694
- Goulard, R.** See Wang, J. Y., AO 13: 2467, AO 14: 862
- Gouras, Peter**  
—; Zrenner, Eberhart: Sensitization of blue cones by light (A), JOSA 69: 1420
- Goure, J. P.** See Gagnaire, H., AO 18: 2510
- Gover, A.** See Lee, C. P., JOSA 66: 291
- ; Lee, C. P.; Yariv, Amnon: Direct transmission of pictorial information in multimode optical fibers (T), JOSA 66: 306
- ; Lee, C. P.; Yariv, Amnon: Possibility of real-time transmission of images in multimode waveguides (A), JOSA 66: 290
- Gover, Abraham**  
Operation regimes of Cerenkov, Smith-Purcell and TW amplifiers (A), JOSA 68: 629
- Gow, Kenneth.** See Birnbaum, George, AO 13: 1660
- Gowda, L. Siddarama**  
Molecular constants of the electronic states of diatomic molecules (A), JOSA 68: 1404
- Relative band strengths of the bands of (B-X) system of ScO molecule (A), JOSA 66: 1064
- Vibrational constants of the electronic states of the CH<sup>+</sup> molecule (A), JOSA 67: 1432
- Gowrinathan, S.** See Peters, W. N., AO 13: 1785
- Goyal, I. C.** See Ghatak, A. K., AO 14: 2330; Gupta, Anjana, JOSA 66: 1320; Sharma, Anurag, AO 18: 1482
- Gozewski, Conrad M.** See Ebersole, John F., JOSA 67: 258, JOSA 68: 1358
- Graber, M.**  
—; Cohen, Ariel: Multiple scattering: theoretical calculations compared with experimental dye-laser measurements (TE), JOSA 65: 1306
- Graber, M. A.** See Scott, W. R., AO 13: 1956
- Grabmaier, J. G.** See Aulich, H. A., JOSA 67: 706, AO 17: 170
- Grabner, L.**  
Bergmann-Schaefer: Lehrbuch der Experimentalphysik, Band IV, Teil 1 und 2: Aufbau der Materie. Edited by H. Gobrecht (B), AO 16: 2339
- Gragg, R. F.**  
—; Schieve, W. C.; Bulsara, A. R.: Stochastic description of the optical bistability (A), JOSA 68: 1636
- Graham, G. W.**  
—; Wojcik, L. A.; Sievers, A. J.; Rhodin, T. N.: Total hemispherical emissivity of W(100) (A), JOSA 69: 1472
- Gramont, L.** See Girard, Andre, JOSA 64: 256
- Gramont, Louis.** See Fontanella, Jean-Claude, AO 14: 825
- Grams, G. W.** See Kreid, Dennis K., AO 15: 14
- ; Fiocco, G.; Mugnai, A.: Influence of aerosol particles on thermal properties of the upper atmosphere (A), JOSA 67: 260
- ; Patterson, E. M.: Use of polar nephelometer measurements in determining aerosol optical properties (A), JOSA 67: 258
- Granatstein, V.**  
High-power cyclotron maser (A), JOSA 68: 629
- Grandy, R. A.**  
Electron transport in a spherically symmetric plasma (A), JOSA 68: 549
- Granek, H.**  
—; Morency, A. J.: Large effective Fresnel number confocal unstable resonators: an experimental study (E), AO 13: 368
- Granelli, Steven G.** See Diamond, Ivan, JOSA 64: 534
- Graner, J.** See Eppeldauer, G., AO 16: 255
- Grange, B. W.**  
—; Stevenson, Warren H.; Viskanta, Raymond: Refractive index of liquid solutions at low temperatures: an accurate measurement (E) (L), AO 15: 858
- Granger, E. M.** See Porth, R. W., JOSA 69: 1450
- Predicting the visual distinctness of borders formed by different colors (A), JOSA 65: 1194
- Granrath, D. J.**  
—; Hunt, B. R.: Signal-detection tradeoff-analysis of optical vs digital Fourier transform computers (T), AO 18: 36
- Grant, D. C., Jr.**  
—; Hambenne, J. B.; Sanders, Virgil E.; Scully, Marlan O.: Toward a practicable multioscillator ring laser gyro (A), JOSA 66: 1133
- Grant, Howard L.** See Anderson, Gordon Wood, JOSA 65: 1194, AO 14: 2057
- Grant, W. B.** See Marling, Jack B., AO 13: 2317
- ; Hawley, J. G.: Prevention of fire damage due to exploding dye laser flashlamps (E) (L), AO 14: 1257
- Graser, Michael, Jr.**  
—; Stone, Jerry: Color-design viewer (A), JOSA 65: 1175
- Grasselli, Jeanette G.**  
—; Wolfram, Lynn E.: Transformed world of industrial infrared analysis (E), AO 17: 1386
- Graube, Andrejs**  
Advances in bleaching methods for photographically recorded holograms (A), JOSA 64: 563
- Advances in bleaching methods for photographically recorded holograms (E), AO 13: 2942
- High-resolution hologram recording with 1.06  $\mu$ m radiation (A), JOSA 65: 1220
- Improved dichromated gelatin for holography (A), JOSA 66: 1063
- Light-scatter control in holographic dichromated gelatin (A), JOSA 67: 1434
- Gravatt, C. C.**  
Chemical characterization of aerosols by light scattering (A), JOSA 67: 258
- Gravel, Robert L.** See Maloney, W. T., AO 13: 2471; McMahon, D. H., AO 16: 501; Nelson, Arthur R., OL 1: 35, AO 17: 3688; Spillman, William B., Jr., AO 17: 3822
- Low charge-voltage frost recording on a photosensitive thermoplastic medium (E) (L), AO 14: 2054
- Gravelly, Ben T.**  
Relations of photometry. Part 2 (errata), AO 13: 745
- Graver, William R.**  
—; Gladden, James W.: Bulk diffraction effects in silver halide (sensitized) gelatin (A), JOSA 68: 1396
- Interferograms of holographic optical elements (E) (L), AO 16: 1809
- Physical model of the diffractive mechanism in SHG (A), JOSA 69: 1415
- Gray, H. R.** See Citron, M. L., JOSA 66: 1068
- ; Whitley, R. M.; Stroud, Carlos R., Jr.: Coherent trapping of atomic populations (ET), OL 3: 218
- ; Stroud, Carlos R., Jr.: Efficient extraction of atomic populations (A), JOSA 68: 1423
- ; Stroud, Carlos R., Jr.: Resonance fluorescence in a three-level system (A), JOSA 67: 1417
- Gray, Joel E.** See Trefler, Martin, JOSA 65: 1189, AO 15: 3099
- American Association of Physicists in Medicine, 16th annual meeting, Kansas City, 28 Jul-1 Aug 1974 (M), AO 13: 2744
- Application of optical instrumentation in medicine, SPIE technology utilization program, 3, Kansas City, 1-2 Aug 1974 (M), AO 13: 2744
- Optical instrumentation in medicine, 2nd SPIE technology utilization program on application of, Chicago, 29-30 Nov 1973 (M), AO 13: 702
- Optics in diagnostic medicine, Tucson, 9-11 Jan 1974 (M), AO 13: 991
- Gray, Robert M.** See Pearlman, William A., JOSA 64: 1395
- Great, C. A.** See Durrani, T. S., AO 14: 778
- Green, Alex E. S.** See Chai, A. T., AO 15: 1182; Doda, D. D., JOSA 69: 1401; Garrison, L. M., JOSA 68: 1433, JOSA 69: 1411, AO 17: 683, AO 17: 827, AO 18: 850; McPeters, R. D., AO 15: 2457; Nack, M. L., AO 13: 2405; Riewe, Fred, AO 17: 1923; Shettle, Eric P., AO 13: 1567
- ; McPeters, R. D.: New analytic expressions of photographic characteristic curves (TE) (L), AO 14: 271
- Remote Sensing: Principles and Interpretation. By Floyd F. Sabins, Jr. (B), AO 17: 2865
- Green, Arthur C.** See Bertoni, Henry L., JOSA 68: 983, JOSA 68: 1787
- ; Bertoni, Henry L.; Felsen, Leopold B.: Properties of the shadow cast by a half-screen when illuminated by a Gaussian beam (T), JOSA 69: 1503
- Green, B. D.**  
—; Steinfeld, Jeffrey I.: Absorption coefficients for fourteen gases at CO<sub>2</sub> laser frequencies (E) (L), AO 15: 1688
- Green, Daniel G.** See Powers, Maureen K., JOSA 68: 1427
- ; Frueh, Bartley R.; Shapiro, Jerrold M.: Corneal thickness measured by interferometry (TE), JOSA 65: 119
- Green, J. H. S.**  
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- Applications of Laser Raman Spectroscopy. By Stanley K. Freeman (B), AO 13: 11A23
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- Raman spectroscopy, fifth international conference, Freiburg i. Br., 2-8 Sep 1976 (M), AO 16: 1
- Statistical Mechanics and Spectroscopy. By G. Allen and H. O. Pritchard (B), AO 15: 561
- Vibrational Spectra of Polyatomic Molecules. By L. M. Sverdlov, M. A. Kovner, and E. P. Krainov (B), AO 14: 2352
- Vibrational States. By S. Califano (B), AO 15: 2605
- Green, Marc A.** See Corwin, Thomas R., JOSA 66: 1078
- ; Corwin, Thomas R.: Crawford masking of sine-wave gratings (A), JOSA 67: 1408
- ; Schor, Clifton: Monoptic and dichoptic temporal masking (A), JOSA 69: 1445
- Green, Milton**
- Focusing of light by a vertical temperature gradient in water (A), JOSA 65: 1175
- Focusing of light by a vertical temperature gradient in aerated water (ET), AO 17: 151
- Limiting range of an active-viewing system in water (A), JOSA 64: 547
- Limiting range of a nearly coaxial-active viewing system in water (A), JOSA 66: 1097
- Green, Mino**
- Nonemissive Electrooptic Displays. Edited by A. R. Kmetz and F. K. Von Willisen (B), AO 16: 2778
- Green, Robert B.** See Havrilla, George J., AO 17: 3525
- Green, Robert E., Jr.** See Palmer, C. Harvey, AO 16: 2333
- Ultrasonics International 1975: Conference Proceedings. Edited by Lionel Browne (B), AO 16: 794
- Green, Samuel I.**
- Wideband 1064 nm detector evaluation (A), JOSA 66: 385
- Green, W. R.** See Harris, S. E., JOSA 68: 675
- ; Falcone, R. W.: Inversion of the resonance line of  $\text{Sr}^+$  produced by optically pumping Sr atoms (E), OL 2: 115
- ; Lukasik, J.; Young, J. F.; Harris, S. E.: Large cross-section measurements of the laser-induced collision (A), JOSA 68: 1422
- ; Wright, M. D.; Lukasik, J.; Young, J. F.; Harris, S. E.: Observation of a laser-induced dipole-quadrupole collision (E), OL 4: 265
- Green, William B.**
- ; Jepsen, Paul L.; Kreznar, John E.; Ruiz, Reuben M.; Schwartz, Arnold A.; Seidman, Joel B.: Removal of instrument signature from Mariner 9 television images of Mars (T), AO 14: 105
- Greenaway, A. H.** See Dainty, J. Christopher, JOSA 69: 786
- Phase recovery from a single intensity distribution (T), OL 1: 10
- Greenbaum, Anne**
- ; Glass, Alexander J.; Trenholme, John B.: Lens and mirror design via the principal surface (T), AO 15: 2579
- Greenberg, J. Mayo.** See Giovane, Frank, AO 16: 993; Wang, R. T., AO 15: 1212
- Greenebaum, Michael.** See Elbaum, Marek, AO 16: 2438
- Greenfield, Martin I.** See Dooley, Roger P., JOSA 64: 1400, JOSA 67: 761
- Color discrimination with annular pupil imaging (A), JOSA 68: 1401
- ; Um, Greg; Cubalchini, Ronald: Computer analysis of the Hartmann sensor and shearing interferometer (A), JOSA 69: 1454
- Greenhouse, Daniel S.** See Lasley, David J., JOSA 66: 1079
- ; Cohn, Theodore E.: Effect of chromatic uncertainty on detectability of a visual stimulus (E) (L), JOSA 68: 266
- Greenleaf, A. See Bradley, W. C., JOSA 64: 531**
- Greenler, Robert G.** See Mallmann, A. James, JOSA 69: 1107, JOSA 69: 1195; Mueller, James R., JOSA 69: 1103
- ; Mallmann, A. James: Complex ice-crystal halo phenomena: sky archeology (A), JOSA 69: 1411
- Polarized Light. Edited by William Swindell (B), AO 15: 2602
- Greenspan, M.**
- ; Hammer, D.; Maenchen, J.; Sudan, R. N.; Wiley, L.; Humphries, S., Jr.: Production of focused ion beams for inertial confinement fusion by means of magnetically insulated diodes (A), JOSA 68: 545
- Greenstein, Howard**
- ; Bates, Clayton Wilson, Jr.: Line-width and tuning effects in resonant excitation (T), JOSA 65: 33
- Patents pater: a comment (L), AO 17: 3507
- Greenwald, M.**
- ; Smith, W. I. B.: Triple grating polychromator for Thomson scattering (TE), AO 16: 587
- Greenwald, R.**
- ; Anastassakis, E.: Effects of temperature and pressure on the rotatory dispersion of  $\text{Bi}_{12}\text{GeO}_{20}$  (ET), JOSA 65: 446
- Greenwood, Darryl P.**
- Bandwidth specification for adaptive optics systems (T), JOSA 67: 390
- ; Hanson, Donald W.: Effect of large eddies on beam wander (A), JOSA 64: 1390
- Mutual coherence function of a corrected wave front (A), JOSA 68: 1368
- Mutual coherence function of a wave front corrected by zonal adaptive optics (T), JOSA 69: 549
- ; Fried, David L.: Power spectra requirements for wave-front-compensative systems (T), JOSA 66: 193
- Shared apertures in tracking turbulence-induced wave-front tilt errors (A), JOSA 66: 392
- Tracking turbulence-induced tilt errors with shared and adjacent apertures (T), JOSA 67: 282
- Greenwood, J. R.** See Suski, G., JOSA 68: 547
- ; Campbell, D. E.; Lacy, S.; Lerche, R. A.; Ozawa, J.; Severyn, J.; Thompson, C.: Target diagnostic system for the Shiva laser fusion facility (A), JOSA 68: 547
- Greer, Milton O.** See Collins, William C., AO 17: 1550; Lee, Wai-Hon, AO 13: 925
- Gregoris, Loris G.**
- ; Iizuka, Keigo: Moire microwave holography (ET), AO 16: 418
- ; Iizuka, Keigo: Thermography in microwave holography (E) (L), AO 14: 1487
- Gregorka, Lisa**
- ; Moore, Duncan T.: Dispersion measurements in gradient index glass using a schlieren method (A), JOSA 67: 1442
- Gregory, Don A.** See Harrington, James A., AO 15: 1953; Rosenstock, Herbert B., JOSA 67: 252, AO 15: 2075, AO 16: 2837
- ; McCown, R. B.: Automated analysis of laser calorimetric data (E), AO 18: 3161
- ; Harrington, James A.; Hass, Marvin: Infrared absorption in germanium and silicon (A), JOSA 67: 253
- Gregory, John H.**
- Review of technical books (N), AO 14: A118
- Gregory, R. O.** See Sun, M. J., AO 17: 1568
- Gregson, Victor G., Jr.** See Roessler, David M., AO 17: 992
- Greguss, P.**
- Similarities and dissimilarities in the biological effects of laser and ultrasonic radiation (A), JOSA 69: 1440
- Grehan, Gerard**
- ; Gouesbet, Gerard: Mie theory calculations: new progress, with emphasis on particle sizing (T), AO 18: 3489
- Greiner, A. F.** See Angelbeck, A. W., JOSA 66: 391; Wisner, George R., JOSA 66: 391
- Greivenkamp, J. E.** See Gmitro, A. F., JOSA 68: 1437
- ; Swindell, William; Barrett, Harrison H.; Gordon, Scott K.; Gmitro, A. F.: Recent advances in uncomputerized transaxial tomography. I. The loop processor (A), JOSA 68: 1437
- Grek, B.** See Mitchel, G. R., AO 18: 2422
- Grella, R.** See Amadesi, S., AO 13: 2009
- Grenda, E.** See Selvestone, Peter, JOSA 66: 381
- Grenfell, T. C.** See Roulet, R. R., AO 13: 1652
- Greninger, C. E.** See Lax, M., JOSA 65: 642
- Greve, Peter F.** See Braat, J. J. M., AO 18: 2187; Dil, Jan G., AO 17: 553
- Grevesse, N.** See Garnir, H. P., JOSA 67: 751
- Grey, David S.**
- Mechanically compensated zoom lenses with stable pupils (A), JOSA 65: 1176
- Orthogonal polynomials as lens aberration coefficients (A), JOSA 69: 1428
- Grey, L. D.** See Arguello, R. J., JOSA 67: 1364
- Greynolds, Alan W.** See Fender, Janet, JOSA 69: 1456
- Griffin, N. C.** See Heer, C. V., OL 4: 239
- Griffin, Donald C.** See Cowan, Robert D., JOSA 64: 1370, JOSA 66: 1010
- Griffith, S. L.** See Davarpanah, M., AO 15: 3066
- Griffiths, J. E.** See Degenkolb, E. O., JOSA 65: 315, JOSA 67: 1235
- Griffiths, Peter R.**
- Federation of Analytical Chemistry and Spectroscopy Societies, 1st meeting, Atlantic City, 18-22 Nov 1974 (M), AO 14: 255
- Fourier transform infrared spectroscopy: recent developments (R), AO 17: 1315
- Principles of Interferometric Spectroscopy. By John Chamberlain: Edited by G. W. Chantry and N. W. B. Stone (B), AO 18: 4084
- Griggs, E.** See Kim, K. C., AO 17: 2511
- Griggs, J. E.**
- ; Henke, M. D.; Aldridge, Jack P.; Kim, K. C.: Low-temperature multiple reflection absorption cell (A), JOSA 66: 390
- Griggs, M.** See Ludwig, C. B., AO 13: 1494
- Grigoryants, V. V.**
- ; Davydov, B. L.; Zolin, V. F.; Ivanov, G. A.; Smirnov, V. I.; Chamarovski, Yu. K.; Zhabotinski, M. E.: Spectra of stimulated Raman scattering in silica-fiber waveguides (A), JOSA 67: 709
- Grilli, E.** See Baldini, G., AO 14: 2687
- Grime, G. W.**
- ; Beaumont, J. H.; West, J. B.: Holographic diffraction gratings used in normal incidence monochromators for synchrotron radiation (E) (L), AO 14: 2317
- Grimsditch, M. H.** See Chandrasekhar, Meera, JOSA 68: 523
- Grinberg, Jan.** See Marom, Emanuel, JOSA 67: 1415, AO 16: 3086
- ; Jacobson, A. D.: Transmission characteristics of a twisted nematic liquid-crystal layer (T), JOSA 66: 1003
- Grischkowsky, D.** See Fan, B., OL 4: 233; Shiren, N. S., JOSA 68: 690
- Nonlinear Fabry-Perot interferometer with subnanosecond response times (A), JOSA 68: 641
- Grishechkin, V. S.** See Kondratyev, K. Ya, AO 13: 478
- Gritton, D. G.** See Gagnon, W. J., JOSA 68: 548
- Groen, Oeyvind**
- On Silvertooth's discussion of special relativity (T) (L), AO 16: 543
- Grolemond, D. A.** See Minott, Peter O., JOSA 64: 540
- Groninger, G. L.** See Viskanta, Raymond, AO 14: 428
- Gros, Mladen**
- KCl:K prepared for highly efficient holographic storage (E) (L), JOSA 67: 1691
- Grossmann, M.**
- ; Meyrueis, P.: High accuracy holographic length comparator and some other uses of holography with specular reflection (A), JOSA 66: 1085
- Gross, Leo.** See Hoffman, Robert, JOSA 64: 1393, AO 14: 1169
- Grossman, J. J.**
- ; Muramoto, M.: Tunable laser line filter polychromator for gas temperature measurements (A), JOSA 66: 1072
- Grosso, Ronald P.**
- ; Yellin, Martin: Membrane mirror as an adaptive optical element (ET), JOSA 67: 399
- Grousson, R.**
- ; Mallick, S.: Study of flow pattern in a fluid by scattered laser light (E) (L), AO 16: 2334
- Grove, R. E.** See Wu, F. Y., JOSA 64: 553
- Grover, C. P.**
- ; Van Driel, H. M.: Optical correlator using random partial diffusers (A), JOSA 69: 1423
- ; Van Driel, H. M.: Rainbow holography without an aperture limiting slit (A), JOSA 69: 1403



- Grover, O. P.** See Chopra, K. N., AO 18: 1750;  
Hradaynath, R., AO 18: 328
- Groves, W. O.** See Chang, M. S., AO 14: 1572
- Grow, R. W.** See Miles, R. O., JOSA 66: 292;  
Rampton, D. T., AO 15: 1034, AO 15: 2068
- Growney, Ronald**  
—; Weinstein, Naomi; Cox, Sue I.: Measurement of metacontrast (E) (L), JOSA 65: 1379
- Grudkowski, T.** See Loh, K. W., AO 15: 156
- Gruenzel, Ronald R.**  
Application of lateral shearing interferometry to stochastic inputs (T), JOSA 66: 1341  
Mathematical expressions for molecular absorption in Lowtran 3B (T), AO 17: 2591
- Grum, Franc**  
—; Wightman, T. E.: Absolute reflectance of Eastman white reflectance standard (E) (L), AO 16: 2775  
Computers for Spectroscopists. Edited by R. A. G. Carrington (B), JOSA 65: 1157  
—; Costa, L. F.: Determination of polarization in optical instruments and its metrological implications (ET), AO 13: 2228  
Einfuehrung in die Farbmetrik, (Introduction to Color Measurement), Goetschen Collection 2608. By Manfred Richter (B), JOSA 67: 850  
—; Witzel, R. F.; Stensby, P.: Evaluation of whiteness (TE), JOSA 64: 210  
Sbornik Praci Vyzkumneho Ustavu Zvukove, Obrazove a Reprodukcni Technik, 1971, 1972, Svazek 3 and 4 Vuzort. Edited by J. Polasek and J. Struska (B), JOSA 64: 1280  
—; Costa, L. F.: Spectral emission of corona discharges (E), AO 15: 76  
Zbornik Praci Vyzkumneho Ustavu Zvukove, Obrazove a Reprodukcni Techniky, 1974 Svazek 5 Vuzort Praha 1974. J. Polasek and J. Struska, eds. (B), JOSA 65: 1383
- Grumet, Alex**  
MTF evaluation with optical matched filters (ET), AO 16: 154  
Real-time optical matched filtering of moonlight-illuminated optics (A), JOSA 66: 387
- Grunthaner, F.** See Elachi, Charles, AO 14: 14
- Gryvnak, David A.** See Herget, William F., AO 15: 1222  
—; Burch, Darrell E.: Comparison of calculated and experimental transmission spectra of H<sub>2</sub>O between 330 and 635 cm<sup>-1</sup> (A), JOSA 68: 1425
- Guadagnoli, M. D.**  
—; Saito, Theodore T.: Beryllium mirrors: 10.6- $\mu$ m characterization (E) (L), AO 14: 2806
- Guattari, G.** See Amadesi, S., AO 13: 2009; De Santis, P., AO 15: 2385; Gori, F., JOSA 64: 453
- Guch, Steve, Jr.** See Glaze, James A., AO 13: 2808  
Parasitic suppression in large aperture disk lasers employing liquid edge claddings (E), AO 15: 1453
- Gudat, W.** See Hagemann, H.-J., JOSA 65: 742; Spiller, Eberhard, JOSA 66: 78  
—; Kunz, C.; Karlau, J.: Rotating beam splitter for the extreme vacuum ultraviolet (E), AO 13: 1412
- Gudehus, Donald H.**  
Ballistic range model detection system (E), AO 15: 1869
- Guel, Salvador.** See Roychoudhuri, Chandrasekhar, JOSA 68: 1375
- Guelachvili, Guy**  
High-accuracy Doppler-limited 10<sup>6</sup> samples Fourier transform spectroscopy (E), AO 17: 1322  
Near infrared wide-band spectroscopy with 27-MHz resolution (E), AO 16: 2097
- Guel-Sandoval, S.** See Ojeda-Castaneda, J., AO 18: 3550  
—; Ojeda-Castaneda, J.: Quasi-Fourier transform of an object from a Fresnel hologram (TE) (L), AO 18: 950
- Guenthard, H. H.** See Dubs, M., AO 17: 3593
- Guenther, Arthur H.** See Bettis, J. R., JOSA 66: 383, OL 4: 256; Glass, Alexander J., AO 13: 74, AO 14: 698, AO 15: 1510, AO 16: 1214, AO 17: 2386, AO 18: 2112; House, R. A., II, AO 16: 1130, AO 16: 1486
- Guenther, B. D.** See Aleksoff, C. C., JOSA 64: 1382, AO 15: 206; Christensen, Charles R., JOSA 68: 1376; George, Nicholas, JOSA 66: 1282
- Guenther, K. H.**  
Color variations of AR coatings caused by a leached substrate layer (A), JOSA 69: 1434
- ; Pulker, H. K.: Electron microscopic investigations of cross sections of optical thin films (E), AO 15: 2992
- Guenzer, C. S.**  
Chopping factors for circular and square apertures (T), AO 15: 80
- Guern, Y.** See Bideau-Mehu, A., AO 15: 2626
- Guerrri, G.** See Da Costa, German, JOSA 67: 1389, AO 16: 1754, JOSA 68: 866
- Guha, Jayanta K.** See Webster, J. C., JOSA 67: 1438  
Laser beam characteristics using dc-induced second harmonic generation (TE), AO 15: 2381
- Guha, Shekhar.** See See, Y. C., JOSA 69: 1476
- Guilfoyle, Peter S.**  
Fourier transform plane superposition multiplier: theory, experimental results, and discussion (TE), AO 17: 3060
- Guinn, John A., Jr.** See Plass, Gilbert N., AO 14: 1924, AO 15: 3161, AO 16: 643  
Radiation in the earth's atmosphere-ocean system with ocean waves (A), JOSA 64: 1390
- ; Plass, Gilbert N.; Kattawar, George W.: Sunlight glitter on a wind-ruffled sea: further studies (T), AO 18: 842
- Guirao, Miguelina.** See de Mattiello, Maria L. F., JOSA 65: 1194, JOSA 64: 206  
—; de Mattiello, Maria L. F.: Saturation of colored samples at various levels of reflectance (A), JOSA 66: 1104  
—; de Mattiello, Maria L. F.: Saturation of colored samples at various levels of reflectance (E), JOSA 67: 647
- Gulacsik, Chris**  
—; Auth, David C.; Silverstein, Fred E.: Ophthalmic hazards associated with laser endoscopy (E), AO 18: 1816
- Gulati, S. T.**  
—; Fontana, E. H.; Plummer, W. A.: Application of nonlinear-plate theory to surface-curvature prediction in a disk sagging experiment (A), JOSA 65: 1215
- Gundel, L.** See Rosen, H., AO 17: 3859
- Gundersen, Martin.** See Dougal, Roger A., AO 18: 1311
- Gunderson, J. A.** See Harvey, James E., JOSA 67: 254
- Gunderson, L. C.**  
Optical waveguide cost considerations (A), JOSA 67: 706
- Gunn, Stanley.** See Singer, Sidney, JOSA 68: 542
- Gunter, John.** See Estes, Lee E., JOSA 64: 295
- Gunter, Roy C., Jr.**  
—; Closs, Joseph V.: Refractive index of Nd:CaF<sub>2</sub> and some Nd doped glasses as a function of wavelength, % neodymium, and temperature (E), AO 14: 174
- Gupta, Anjana**  
—; Thyagarajan, K.; Goyal, I. C.; Ghatak, A. K.: Theory of fifth-order aberration of graded-index media (T), JOSA 66: 1320
- Gupta, H. M.** See Shankar, P. Mohana, OL 4: 89
- Gupta, J. P.** See Sachdev, R. N., AO 17: 3472
- Gupta, K. K.** See Bahuguna, R. D., JOSA 69: 877
- Gupta, P. C.** See Aggarwal, A. K., AO 17: 987; Singh, K., AO 14: 2940  
—; Singh, K.: Characteristic fringe function for time-average holography of periodic nonsinusoidal vibrations (T), AO 14: 129  
—; Aggarwal, A. K.; Shukla, V. N.: Holographic interferometry: identification of hot spots in a high density circuit board (E) (L), AO 16: 1802  
—; Aggarwal, A. K.: Holographic simulation of ellipsoid and hyperboloid mirrors (ET) (L), AO 16: 1474  
—; Singh, K.: Image quality in an optical system operating in partially coherent light: effect of parabolic motion (T), AO 15: 2233  
—; Aggarwal, A. K.: Simultaneous detection of direction of motion and fringe order determination in holographic displacement measurement (T) (L), AO 15: 2961
- Gupta, R.** See Bulos, B. R., JOSA 66: 426, JOSA 68: 842
- Gur, Joshua**  
Achromatization of zone plates for x-ray microscopy (A), JOSA 69: 1485  
Analogies between the mathematical formulations of partially coherent fields and speckle patterns (A), JOSA 67: 1389  
Feasibility of holography in the soft x-ray region (A), JOSA 69: 1415  
—; Givens, M. P.; Forsyth, James M.: High-order foci for increased resolution in coded aperture imaging (A), JOSA 67: 1406
- ; Forsyth, James M.: Optical simulation of a technique for obtaining submicron resolution x-ray images in laser pellet compression experiments (ET) (L), AO 17: 1
- ; Forsyth, James M.: Unconventional zone-plate designs for pseudoholography (A), JOSA 68: 1437
- Gurev, H. Samuel.** See Sari, S. Oliver, JOSA 67: 252; Smith, P. Hollingsworth, JOSA 66: 1070
- Gurevich, S. A.** See Alferov, Zh. I., JOSA 66: 288
- Gurski, G. F.**  
—; Nomiya, N. T.; Radley, R. J.; Wilson, J.: Initial evaluation of performance of adaptive optical systems with extended dynamic targets (T), JOSA 67: 345
- Gurski, Thomas R.**  
Laser frequency stability limitations on a 10.6  $\mu$ m laser radar (A), JOSA 66: 1133  
—; Epps, Harland W.; Maran, Stephen P.: Upconversion of broadband infrared spectra (E), AO 17: 1238
- Gurtler, P.** See Saile, V., AO 15: 2559
- Gurtler, R. W.** See Sopori, B. L., JOSA 69: 1468
- Guscotti, B. R.** See Moncur, N. Kent, JOSA 66: 390
- Gush, H. P.**  
Hyperbolic cone-channel condenser (TE), OL 2: 22  
Optical imaging using aperture synthesis (T), JOSA 69: 187
- Gusinow, M. A.** See Riley, M. E., AO 16: 2753  
Spectral enhancement of near UV xenon flashlamps (E), AO 14: 2645
- Gustafson, T. K.** See Siu, D. P., JOSA 68: 632; Yee, T. K., AO 18: 1131, AO 18: 2542
- Gustafsson, Silas E.**  
—; Karawacki, Ernest: Refractive index measurements in fused NaNO<sub>3</sub> and KNO<sub>3</sub> by a modified thermooptic technique (E), AO 14: 1105
- Gustavsson, M.**  
—; Lundberg, H.; Nilsson, L.; Svanberg, S.: Lifetime measurements for excited states of rare-earth atoms using pulse modulation of a cw dye-laser beam (E), JOSA 69: 984
- Guth, Sherman L.** See Benzschawel, Terry L., JOSA 69: 1420; Trick, Gary L., JOSA 67: 1379, JOSA 68: 1438  
—; Heupel, Carol: Effects of white adaptation on spectral sensitivity and heterochromatic additivity (A), JOSA 68: 1437  
—; Benzschawel, Terry L.; Friedman, Arthur: Postreceptor chromatic adaptation (A), JOSA 66: 1103
- Gutmacher, R. G.** See Worden, Earl F., JOSA 64: 77
- Gutman, W. M.** See Lin, Chun L., AO 17: 993
- Guttman, Andrew**  
Multisensor investigation of long-path aerosol scattering in a seashore environment (A), JOSA 68: 541
- Guttman, J.**  
—; Krumpholz, O.; Pfeiffer, E.: Optical fiber-stripline-coupler (E), AO 14: 1225
- Guy, Jean**  
—; Sales, Andre; Abitbol, Claude: Optical optimization of the inversion of convolution products  $f = g * u$  when the unknown  $u$  is space-limited (T), AO 18: 1862
- Guyot, J. C.** See Farcy, J. C., JOSA 68: 549
- Guyton, David**  
Puzzles and problems in ophthalmology to tease the physicist's fancy (A), JOSA 64: 1368
- Guzzi, M.** See Baldini, G., AO 14: 2687
- Gynberg, G.** See Chase, L. L., JOSA 68: 678
- Ha, Chang.** See Claspy, P. C., JOSA 66: 1072, AO 16: 2972
- Ha, K.** See Yeh, Cavour, AO 18: 1490
- Haas, Roger A.** See Manes, Kenneth R., JOSA 67: 717; Monsier, Michael J., JOSA 68: 546
- Haas, Trice W.** See Fernelius, Nils C., AO 17: 3348
- Haas, Werner E. L.** See Stephany, Joseph F., AO 15: 1626  
Liquid crystal conferences, 5th international, Stockholm, 16-21 Jun 1974 (M), AO 13: 2452  
Liquid crystals, sixth international conference, Kent State University, 23-27 Aug 1976 (M), AO 16: 2
- Haber, I.**  
—; Maschke, A. W.: Computer simulation of space-charge effects in the transport of high-energy ion beams (A), JOSA 68: 546



- Haber, Ralph Norman**  
Depth Perception through Motion. By Myron L. Braunstein (B), JOSA 68: 144  
Perceptual Modification, Adapting to Altered Sensory Environments. By Robert B. Welch (B), JOSA 69: 205
- Haberman, Jo Ann D.**  
Mass screening of breast cancer by electronic infrared pattern recognition (A), JOSA 66: 381
- Hackel, L. A.**  
—; Youmans, Douglas G.; Ezekiel, Shaoul: High-resolution molecular-beam spectroscopy (A), JOSA 64: 529  
—; Bender, C. F.; Johnson, M. A.; Rushford, M. C.: Hyperfine structure measurements of high-lying levels of uranium (E), JOSA 69: 230  
—; Rushford, M. C.: Lifetime, branching ratio, and absolute transition probability of the  $6395.42 \text{ \AA}$  transition of  $^{238}\text{U}$  I (E), JOSA 68: 1084  
—; Youmans, Douglas G.; Ezekiel, Shaoul: Measurement of natural line shape of  $I_2$  hyperfine transitions (A), JOSA 64: 1387
- Hackel, R. P.** See Ezekiel, Shaoul, JOSA 68: 647
- Hackett, C. E.** See Hill, R. A., AO 16: 2004
- Hackett, W. H., Jr.**  
—; Jones, J. R.; Brackett, C. A.; Dombrowski, L. C.; Howarth, L. E.; Shumate, P. W., Jr.; Smith, R. G.; Warner, A. W.; Riggs, R. S.: Optical data links for short-haul high-level performance at 16 and 32 Mb/s (A), JOSA 67: 709
- Haddad, G. N.** See Carver, J. H., AO 17: 420; Samson, James A. R., JOSA 64: 47, JOSA 64: 1346
- Hadeishi, T.** See Zak, B. D., AO 14: 1217  
—; Koizumi, H.; Agrawal, Y. C.: *In-situ* line shape corrected measurement of nitric oxide in combustion (A), JOSA 68: 1402
- Hadni, Armand.** See Gerbaux, Xavier, AO 17: 1616  
—; Bassia, J. M.; Thomas, R.; Gerbaux, Xavier: Laser scanning microscope for pyroelectric display in real time (ET), AO 15: 2150
- Haegerle, K. H.**  
—; Ulrich, R.: Pyroelectric loss measurement in  $\text{LiNbO}_3/\text{Ti}$  guides (E), OL 4: 60
- Haeblich, R.-P.** See Predehl, P., AO 18: 2906
- Haendler, E.**  
—; Roeder, U.: Flexible bandpass filtering using a coherent optical feedback technique (E), AO 18: 2787
- Haenel, G.** See Bullrich, Kurt, JOSA 67: 256
- Haensch, Theo W.** See Eckstein, J. N., JOSA 68: 646; Fairbank, W. M., Jr., JOSA 65: 199; Goldsmith, J. E. M., JOSA 68: 1411; Wallenstein, R., AO 13: 1625  
High-resolution two-photon spectroscopy of atoms and molecules (A), JOSA 65: 1172  
Measuring the wavelength of light with a self-calibrating grating (ET), OL 1: 191
- Haerd, Sverker**  
—; Nilsson, Olle: Laser heterodyne apparatus for measuring small angle scattering from particles (ET), AO 18: 3018
- Haering, K. H.** See Fischer, Heinz, AO 18: 2258, AO 18: 3733
- Haeusler, G.** See Ferraro, G., JOSA 69: 1435; Goetz, J., AO 18: 2754  
—; Lohmann, A. W.: Software range of optical analog computers (A), JOSA 66: 169
- Haussler, C.** See Turk, R. R., AO 18: 957
- Hafer, J. H.** See Wolfe, P. N., JOSA 68: 543
- Hafich, M.** See Chen, D., JOSA 65: 226; Chen, Di, JOSA 67: 1393
- Hafner, Gary.** See Bok, Dean, JOSA 64: 1378
- Hagan, Lucy.** See Kaufman, Victor, JOSA 69: 232  
Atomic Energy-Level and Grotian Diagrams. By Stanley Bashkin and John O. Stoner, Jr. (B), JOSA 69: 1732  
Tables of Spectral Lines. By A. N. Zaidel, V. K. Prokofev, S. M. Raiskii, V. A. Slavnii, and E. Ya. Shreider (B), AO 17: 2865
- Hagard, Arne**  
—; Nilsson, Bertil; Ottersten, Hans; Steinwall, Ove: Laser beam broadening in aerosol media (A), JOSA 67: 260
- Hagedoorn, H. L.** See Coolen, F. C. M., JOSA 64: 482, JOSA 65: 952
- Hagemann, H.-J.**  
—; Gudat, W.; Kunz, C.: Optical constants from the far infrared to the x-ray region: Mg, Al, Fe, Ag, Au, Bi, C, and  $\text{Al}_2\text{O}_3$  (E) (L), JOSA 65: 742
- Hagemeyer, Hal E.**  
—; Robinson, Stanley R.: Field properties of multiple coherently combined lasers (A), JOSA 68: 1386  
—; Robinson, Stanley R.: Field properties of multiple coherently combined lasers (T), AO 18: 270
- Hagen, W. F.** See Fountain, W. D., JOSA 66: 388; Glaze, James A., JOSA 65: 1208; Linford, Gary J., JOSA 68: 548; Weber, Marvin J., JOSA 68: 542  
Off-axis multipass laser system (A), JOSA 68: 542  
—; Trenholme, John B.: Performance of Nd:glass lasers (A), JOSA 68: 542
- Hagler, Marion O.** See Bell, Steven V., JOSA 66: 1131; Deen, Lewis M., JOSA 64: 1396, AO 14: 2438; Froehlich, Gary K., JOSA 66: 1131; Irby, Carl A., JOSA 69: 1409; Jones, Mike I., JOSA 68: 1443; Kral, E. Lee, JOSA 68: 1414, JOSA 69: 1409; Krile, Thomas F., JOSA 67: 1435, AO 16: 3131, AO 18: 52; Marks, Robert J., II, JOSA 66: 1130, AO 15: 2289, AO 16: 739, AO 18: 655, JOSA 66: 918
- Haglund, R. F., Jr.** See Montgomery, M. D., JOSA 68: 543
- Hagy, H. E.**  
—; Shirkey, W. D.: Determining absolute thermal expansion of titania-silica glasses: a refined ultrasonic method (E), AO 14: 2099
- Hahn, Erwin L.**  
Light and matter (A), JOSA 64: 519
- Hahn, R. C.** See Sparrow, J. G., AO 16: 978
- Hahn, Robert E.**  
—; Seraphin, Bernhard O.: Optical constants of reactively evaporated chromium oxide films (A), JOSA 66: 1069  
Thin Film Processes. Edited by John L. Vossen and Werner Kern (B), AO 18: 2791
- Haigh, J. G. B.**  
Reaction Dynamics. By F. S. Levin and H. Feshbach (B), AO 13: 1724
- Haile, N. S.**  
Preparing scientific papers (N), AO 16: 3061
- Hains, C. M.** See Hug, W. F., JOSA 68: 62
- Haisma, J.** See Dil, Jan G., JOSA 69: 1419  
—; Hugues E.; Babelot, C.: Realization of a bi-aspherical objective lens for the Philips Video Long Play system (E), OL 4: 70
- Hait, Mitchell.** See Barris, Michael C., JOSA 68: 1380
- Hajdo, Leslie E.**  
—; Eringen, A. Cemal: Theory of light reflection by cholesteric liquid crystals possessing a pitch gradient (T), JOSA 69: 1017  
—; Eringen, A. Cemal: Theory of light reflection by cholesteric liquid crystals possessing a tilted structure (T), JOSA 69: 1509
- Haken, H.**  
Phase Transitions 1973. Edited by H. K. Henisch, R. Roy, and L. E. Cross (B), AO 14: A44
- Hakoshima, Tsuyoshi.** See Iwata, Koichi, JOSA 67: 1117
- Halbout, J. M.**  
—; Donaldson, W.; Tang, C. L.; Blit, S.: Urea: a convenient and efficient nonlinear organic crystal (A), JOSA 69: 1464
- Hale, George M.** See Querry, Marvin R., JOSA 64: 39  
—; Biagi, Kevin; Holland, Wayne E.: Classical dispersion theory applied to the infrared reflectance of calcite, dolomite, and limestone (A), JOSA 68: 1403  
—; Tyler, I. L.; Querry, Marvin R.: Complex refractive indices in the infrared for selected oils and alcohols (A), JOSA 68: 1403
- Haley, L. V.** See Parameswaran, T., JOSA 67: 1397
- Hall, D. G.**  
Effects of waveguide mode asymmetry on the laser diode-to-diffused waveguide coupling efficiency (T) (L), AO 18: 3372  
—; Rice, R. R.; Zino, J. D.: Simple Gaussian-beam model for GaAlAs double-heterostructure laser-diode-to-diffused-waveguide coupling calculations (TE), OL 4: 292
- Hall, Donald N. B.**  
Infrared Fourier spectroscopy with the Mayall 4 m telescope (A), JOSA 66: 1081  
—; Aikens, Richard S.; Joyce, Richard; McCurnin, Thomas W.: Johnson noise limited operation of photovoltaic InSb detectors (ET), AO 14: 450
- Hall, E. L.** See Kruger, R. P., AO 16: 2637
- Hall, Freeman F., Jr.** See Lawrence, T. R., JOSA 68: 1430; Post, Madison J., JOSA 68: 1434  
Index of refraction structure parameter in the real atmosphere—an overview (A), JOSA 68: 529
- Meteorological Optics feature issue foreword** (August 1979) (N), JOSA 69: IV
- ; Neff, William D.; Gaynor, John E.: Optical  $C_n^2$  from the poles to the tropics, derived from acoustic measurements (A), JOSA 66: 1066  
Remote Sensing: Energy-Related Studies. Edited by T. Nejat Veziroglu (B), JOSA 66: 505  
Remote Sensing of Environment. Edited by Joseph Lintz, Jr. and David S. Simonett (B), JOSA 67: 1288  
Twilight sky colors: observations and the status of modeling (TE) (L), JOSA 69: 1179
- Hall, G. E.** See Garetz, B. A., JOSA 67: 1436
- Hall, J. L.** See Brillet, Alain, JOSA 68: 635; Helmcke, J., JOSA 68: 1635; Lee, S. A., OL 3: 141; Uehara, K., OL 4: 214  
Precision spectroscopy using frequency-controlled dye lasers (A), JOSA 68: 1411  
Saturated absorption spectroscopy with frequency-controlled lasers (A), JOSA 64: 1380
- Hall, J. S.**  
—; Ditman, L. S., Jr.; Smith, S. G.: Transverse intensity modulation of a dye laser beam by optically pumped hyperfine levels of sodium vapor (A), JOSA 66: 1068
- Hall, John A.** See McCann, John J., JOSA 67: 1380, JOSA 67: 1408
- Hall, Michael W.** See Marks, Robert J., II, AO 18: 2539  
—; Marks, Robert J., II: Sampling theorem characterization of variation limited systems at reduced sampling rates (A), JOSA 68: 1362
- Hall, R. B.** See Nichols, D. B., JOSA 66: 1109, JOSA 69: 1412; Pond, C. R., AO 16: 67
- Hall, Richard T.**  
—; Cartwright, David C.: Scattering from micron-sized particles in the infrared (A), JOSA 64: 528
- Hall, Robert J.**  
—; Shirley, John A.; Eckbreth, Alan C.: Coherent anti-Stokes Raman spectroscopy: spectra of water vapor in flames (TE), OL 4: 87
- Hallam, H. E.**  
Molecular spectroscopy, sixth conference, University of Durham, 30 Mar-2 Apr 1976 (M), AO 15: 2009
- Halldorsson, T.**  
—; Langerholc, J.: Geometrical form factors for the lidar function (T), AO 17: 240  
—; Langerholc, J.: Thermodynamic analysis of laser irradiation of biological tissue (TE), AO 17: 3948
- Hallett, F. R.** See Josefowicz, J., AO 14: 740
- Hallett, Peter E.** See Bechai, N. R. L., JOSA 67: 1336  
Varieties of human saccadic eye movement (A), JOSA 67: 1414
- Hallin, R.** See Alvarez, E., OL 4: 268
- Halloran, Michael.** See Singer, Sidney, JOSA 68: 542
- Halme, S. J.** See Sharma, A. B., AO 18: 1877
- Halpern, Gerald M.** See Deckman, H. W., JOSA 68: 544, JOSA 68: 544  
—; Kim, Hyo-Gun: Deuterated polyethylene microspheres of variable density for laser fusion targets (A), JOSA 68: 544
- Halpern, J. B.** See Miller, George E., JOSA 68: 641, AO 17: 2821  
—; Jackson, W. M.; McCrary, V.: Multiphoton sequential photodissociative excitation: a new method of remote atmospheric sensing (E) (L), AO 18: 590
- Halsey, G.**  
—; Blass, W. E.: Deconvolution of IR spectra in real time (TE) (L), AO 16: 286
- Halton, T. L.**  
—; Arakawa, E. T.; Williams, M. W.; Kretschmann, E.: Refractive index of  $\text{LiF}$  films as a function of time (E), AO 18: 1233
- Ham, David O.** See Rothschild, Mordecai, JOSA 68: 683  
Molecular Energy Transfer. R. D. Levine and J. Jortner, Editors (B), JOSA 67: 982  
—; Rothschild, Mordecai: Transmission measurements of multiple photon absorption in  $\text{SF}_6$  (E), OL 1: 28
- Hamadani, S. M.**  
—; Kurnit, N. A.; Javan, Ali: Coherent pulse reshaping in an amplifying medium (A), JOSA 65: 1207  
—; Hohanazadeh, Y.; Mosavi, R. K.: Nanosecond  $\text{CO}_2$  single-beam target irradiation (A), JOSA 68: 544



- Hamaker, J. P.**  
—; O'Sullivan, J. D.; Noordam, J. E.: Image sharpness, Fourier optics, and redundant-spacing interferometry (T) (L), JOSA 67: 1122
- Hamasaki, Joji.** See Higuchi, H., AO 16: 1777, AO 17: 3895; Maeda, Korechiro, JOSA 67: 1672
- ; Yokota, K.: Direct recording and reconstruction of 3-D x-ray images (ET), AO 17: 3125
- ; Yokota, K.: Direct recording and reconstruction of 3-D x-ray images: some experiments (ET), AO 18: 4039
- ; Nagata, Y.; Higuchi, H.; Okada, M.: Real-time transmission of a 3-D image using volume scanning and spatial modulation (ET), AO 16: 1675
- Hammen, J. B.** See Grant, D. C., Jr., JOSA 66: 1133; Sargent, Murray, III, JOSA 66: 1126
- Hamerly, James R.** See Quick, R. Frank, Jr., JOSA 64: 1400; Springer, Robert M., JOSA 67: 1411
- Estimating transfer functions of noisy linearized imaging systems using pseudorandom images (A), JOSA 69: 1450
- Lower bound estimate on the number of detection channels in the human visual system (A), JOSA 69: 1433
- ; Reichert, T. A.; Quick, R. Frank, Jr.: Perceived contrast of suprathreshold gratings (A), JOSA 65: 1184
- ; Springer, Robert M.: Perception of raggedness of edge images (A), JOSA 68: 1454
- Hamill, Patrick.** See Turco, R. P., JOSA 67: 259
- Sulfuric acid gas phase concentration in the stratosphere (A), JOSA 67: 259
- Hamilton, Clark A.** See Day, Gordon W., AO 15: 1865
- ; Day, Gordon W.: Electrically calibrated pyroelectric radiometer-error analysis and performance (A), JOSA 65: 1178
- Hamilton, D. S.**  
—; Heiman, D.; Feinberg, Jack; Hellwarth, Robert W.: Spatial-diffusion measurements in impurity-doped solids by degenerate four-wave mixing (E), OL 4: 124
- Hamilton, Eugene.** See Callahan, Philip S., AO 16: 1476
- Hamilton, John F.**  
Raster-Elektronenmikroskopie. Von L. Reimer and G. Pfefferkorn (B), JOSA 64: 253
- Hamilton, V. E.** See Burrows, A. A., AO 13: 739
- Hamilton, W. O.** See Nayar, P. S., JOSA 67: 254, AO 16: 2942, JOSA 65: 831
- Hamm, C. W.** See Cook, R. O., AO 18: 3230
- Hammer, D.** See Greenspan, M., JOSA 68: 545
- Hammer, Guy.** See Schechter, Gail, JOSA 65: 1205
- Hammer, J. M.** See Channin, D. J., AO 14: 923; Phillips, W., JOSA 66: 289
- ; Bartolini, R. A.; Miller, Arthur; Neil, C. C.: Grating coupling between low-index fibers and high-index film waveguides (A), JOSA 66: 292
- Metal diffused stripe waveguides: approximate closed form solution for lower order modes (T) (L), AO 15: 319
- Hammer, P. J. G.** See Matthijse, Pieter, JOSA 65: 188
- Hammer, Philip D.**  
—; Davis, Sumner P.: Radiative lifetime measurement in ZrO (A), JOSA 68: 1401
- Hammerschlag, R. H.**  
Interferometric recording of the deflections of towers and telescopes (E), AO 14: 885
- Hammill, Harry B.**  
—; Akerman, Alexander, III: Visual detectability of chromatic-contrast targets (A), JOSA 65: 1193
- Hammon, Robert W.** See Baron, William S., JOSA 67: 1363
- Hammond, C. M., Jr.**  
—; Wiggins, T. A.: Light scattering by methane (A), JOSA 65: 1164
- Hammond, D. L.** See Kusters, J. A., JOSA 64: 434
- Hammond, Harry K., III**  
Measurement of Appearance. By Richard S. Hunter (B), AO 15: 842
- Radiometric and Photometric Characteristics of Materials and Their Measurement. Bureau Central de la CIE (B), AO 17: 159
- Hammond, P. R.**  
Saturable absorber properties of a laser dye; stimulated propagation of the pump flux (T), AO 18: 536
- Hammond, R. B.** See Viswanathan, V. K., JOSA 69: 1454
- Hammond, T. J.**  
—; Gallo, C. F.: Direct current cathaphoretic effects on Hg 2537-A radiation from Hg + Ar discharges (dc fluorescent lamps) (E), AO 15: 64
- ; Gallo, C. F.: Effect of electron deexcitation and self-absorption on the intensity of the Hg 2537-A radiation from Hg + Ar discharges (ac fluorescent lamps) (ET), AO 13: 2164
- Han, K. S.**  
—; Berzins, G. J.; Mason, D. S.; Langner, D. G.: Digital deconvolution of a coded image obtained with a nonredundant pinhole array (ET), AO 16: 1260
- Hanafy, Amin**  
—; Zambuto, Mauro: Sensitivity improvement by step-biased holographic interferometry (A), JOSA 65: 1186
- Hancock, J. Harrison.** See Ulrich, Peter B., JOSA 64: 549
- Handa, Yuichi.** See Nishihara, Hiroshi, AO 17: 2342; Suhara, Toshiaki, JOSA 69: 807
- ; Suhara, Toshiaki; Nishihara, Hiroshi; Koyama, Jiro: Scanning-electron-microscope-written gratings in chalcogenide films for optical integrated circuits (ET), AO 18: 248
- Handojo, Andrianto**  
—; de Jong, J.: Interferometer for optical testing with computer-generated holograms (E) (L), AO 16: 546
- Hanel, Rudolf A.**  
Fourier-transform spectroscopy in astronomy (A), JOSA 64: 1357
- Hanes, G. R.** See Baird, K. M., OL 4: 263
- Doubly resonant intracavity generation of second harmonic of 1153-nm radiation with stabilization on hyperfine structure components of  $^{127}\text{I}_2$  (E), AO 18: 3970
- Hanley, S. T.** See Curcio, J. A., JOSA 68: 541
- Hanlon, Jack**  
—; Aiken, Steve: Alignment technique for unstable resonators (E) (L), AO 13: 2461
- Hanna, D. C.** See Peterson, A. B., JOSA 68: 655
- Hanna, Stanley S.**  
Moessbauer Spectroscopy. Edited by U. Gonser (B), AO 16: 536
- Hannemann, R. E.** See DeWitt, D. P., JOSA 64: 537
- Hannon, J. J.** See Fehniger, Michael J., AO 14: 1761
- Hano, K.** See Kitajima, H., JOSA 68: 1693
- Hansche, Bruce D.**  
Generalized binary computer-generated holograms as spatial filters (A), JOSA 66: 169
- ; Murphy, Carl G.: Holographic interferogram analysis from a single view (TE), AO 13: 630
- Space-bandwidth product of some deblurring filters (T) (L), AO 16: 2550
- Hansen, A. D. A.** See Rosen, H., AO 17: 3859; Yasa, Zafer, AO 18: 2528
- Hansen, E. W.** See Goodman, Joseph W., AO 16: 733
- Hansen, Eldon.** See Clow, Richard, AO 14: 61
- Hansen, J. J. Ramskov.** See Jacobsen, Gunnar, AO 18: 2837, AO 18: 3719
- ; Jacobsen, Gunnar: Modal fields in graded-index fibers: comparison between perturbation theory and evanescent field theory (T) (L), AO 18: 3
- ; Nicolaisen, E.: Propagation in graded-index fibers: comparison between experiment and three theories (TE), AO 17: 2831
- Hansen, James E.**  
Inversion Methods in Atmospheric Remote Sounding. Edited by Adarsh Deepak (B), AO 17: 3189
- Hansen, Joergen E.**  
Multiconfiguration Hartree-Fock study of the interaction between  $sp^6$  and  $s^2p^4d$  in the Cl I, Br I, and I I isoelectronic sequences with particular emphasis on the neutral halogens (T), JOSA 67: 754
- Hansen, Jorgen E.**  
—; Persson, Willy: Configurations of  $4s^24p^4$  and  $4s4p^5$  in Rb IV and Sr V (E), JOSA 64: 696
- Hansen, K. M.** See Salzman, G. C., JOSA 66: 387
- Hansen, Mark Z.** See Bufton, Jack L., JOSA 69: 1399
- Hansen, Peter.** See Esplin, Mark, JOSA 69: 1411
- ; Sakai, Hajime; Strong, John: Infrared Fourier-transform spectroscopy of gaseous discharges (A), JOSA 67: 1419
- Hansen, S.** See Bridges, William B., JOSA 64: 541; Pearson, J. E., JOSA 67: 325; Pearson, James E., JOSA 66: 392, AO 15: 611
- Hansen, V.**  
—; Thorsrud, J.: Pressure-scanned Fabry-Perot interferometer for nightglow measurements: its construction and operation (E), AO 15: 2418
- Hansen, W. G.** See Miller, J. R., JOSA 68: 550
- Hansen, Wilford N.** See Anderson, W. J., JOSA 67: 1051
- ; Abdou, Wedad A.: Causality calculations in reflection spectroscopy (E), JOSA 67: 1537
- Reflection spectroscopy of optical coatings (TE), JOSA 69: 264
- Hanser, Frederick A.**  
—; Sellers, Bach; Briehl, Daniel C.: Ultraviolet spectrophotometer for measuring columnar atmospheric ozone from aircraft (ET), AO 17: 1649
- Hanson, Donald W.** See Greenwood, Darryl P., JOSA 64: 1390
- Hanson, R. C.** See van Driel, H. M., JOSA 66: 1073
- Hanson, Ronald K.**  
Global monitoring of stratospheric halogen compounds from a satellite using gas filter spectroscopy in the solar occultation mode (TE) (L), AO 16: 1479
- ; Kuntz, P. A.; Kruger, C. H.: High-resolution spectroscopy of combustion gases using a tunable IR diode laser (E) (L), AO 16: 2045
- ; Falcone, Patricia Kuntz: Temperature measurement technique for high-temperature gases using a tunable diode laser (ET) (L), AO 17: 2477
- Hanson, Willard.** See Salyer, Bob, JOSA 66: 380
- Hanst, Philip L.**  
Air pollution measurement by Fourier transform spectroscopy (E), AO 17: 1360
- Happer, W.** See Bulos, E. R., JOSA 66: 426
- Hara, Elmer H.** See Imai, Masaaki, AO 13: 1893, AO 14: 169
- Hara, Kenji.** See Yoshimura, Takeaki, AO 18: 3962
- Harada, H.** See Kozaki, S., JOSA 68: 1592
- Haraguchi, H.** See Boutilier, G. D., AO 17: 2291, AO 18: 607
- Hard, S.**  
—; Nilsson, O.: Laser heterodyne apparatus for roughness measurements of polished surfaces (ET), AO 17: 3827
- Hard, T. M.**  
—; O'Brien, R. J.; Cook, T. B.; Tsongas, G. A.: Interference suppression in HO fluorescence detection (E) (L), AO 18: 3216
- Harder, N.** See Stetter, F., JOSA 66: 634, AO 15: 2315
- Harding, Thomas H.**  
—; Yates, J. Terry: Monkey contrast threshold for aperiodic patterns (ET), JOSA 66: 131
- Hardy, Amos A.** See Ganiel, U., AO 15: 2145; Siegman, A. E., JOSA 67: 1396; Streifer, William, JOSA 68: 1372, AO 17: 2134
- ; Streifer, William: Analysis of waveguided Gaussian beams coupled by misaligned or curved gratings (T), JOSA 69: 1235
- ; Treves, D.: Modes of a diffraction grating optical resonator (T), AO 14: 589
- Hardy, E.** See Arsenaault, Henri H., JOSA 68: 1376
- Hardy, John W.**  
Optical wavefront correction in real time (A), JOSA 65: 1212
- ; Lefebvre, J. E.; Koliopoulos, Chris L.: Real-time atmospheric compensation (E), JOSA 67: 360
- Hargis, Philip J., Jr.**  
—; Hill, R. A.: Fabry-Perot interferograms of periodic spectra of molecules with large rotational constants (T) (L), JOSA 65: 219
- Multiphoton ultraviolet photodissociation of ammonia and silane (A), JOSA 68: 1422
- Hariharan, P.**  
—; Hegedus, Z. S.: Four-exposure hologram moire interferometry and speckle-pattern interferometry: a comparison (E) (L), AO 14: 22
- Hologram interferometry without a reference beam (ET), OL 2: 122
- ; Steel, W. H.: Liquid surface interferometry for the study of surface topography (E) (L), AO 13: 721
- ; Steel, W. H.; Hegedus, Z. S.: Multicolor holographic imaging with a white-light source (E), OL 1: 8
- ; Hegedus, Z. S.: Relative phase shift of images reconstructed by phase and amplitude holograms (E) (L), AO 14: 273



- Sagnac or Michelson-Sagnac interferometer? (R) (L), AO 14: 2319
- Simple laser interferometer with variable shear and tilt (E) (L), AO 14: 1056
- Speckle-shearing interferometry: a simple optical system (ET) (L), AO 14: 2563
- ; Hegedus, Z. S.: Two-hologram interferometry: a simplified sandwich technique (E) (L), AO 15: 848
- Harjunmaa, H.**
- ; Lehto, A.: Infrared detection using delayed breakdown (E) (L), AO 18: 959
- Harmatz, Milton.** See Bomke, Hans A., AO 16: 751
- Harms, H.** See Papp, A., AO 14: 2406, AO 16: 1315; Schneider, H., AO 17: 3035
- ; Papp, A.; Kempter, K.: Magneto-optical properties of gradient-index optical fibers (ET), AO 15: 799
- Harms, J.**
- ; Lahmann, W.; Weitkamp, C.: Geometrical compression of lidar return signals (T), AO 17: 1131
- Lidar return signals for coaxial and noncoaxial systems with central obstruction (T), AO 18: 1559
- Harnett, P. R.** See Barnett, M. E., JOSA 66: 171
- Harney, R. C.**
- Active laser resonator control techniques (T) (L), AO 17: 1671
- ; Schipper, J. F.: Analysis of the fusion effectiveness of active and passive pulse stackers (A), JOSA 66: 390
- Hole-boring in clouds by high-intensity laser beams (T), AO 16: 2974
- Simultaneous optical and x-ray imaging telescopes (T) (L), AO 16: 2039
- Haroche, S.**
- Rydberg atom spectroscopy (A), JOSA 68: 645
- Harosi, Ferenc L.**
- ; MacNichol, Edward F., Jr.: Dichroic microspectrophotometer: a computer-assisted, rapid, wavelength-scanning photometer for measuring linear dichroism in single cells (E), JOSA 64: 903
- Microspectrophotometric studies of rods and cones (A), JOSA 67: 1361
- Harper, C. D.**
- ; Wheatley, S. E.; Levenson, Marc D.: Two-photon absorption spectroscopy of potassium Rydberg states (ET), JOSA 67: 579
- Harper, D. A.**
- ; Hildebrand, R. H.; Stiening, R.; Winston, Roland: Heat trap: an optimized far infrared field optics system (E), AO 15: 53
- ; Hildebrand, R. H.; Stiening, R.; Winston, Roland: Heat trap: an optimized far infrared field optics system (errata), AO 15: 814
- Harper, David C.**
- ; Hayes, John D.: Design and evaluation of office copier lenses (A), JOSA 64: 256
- Harper, J. S.** See Crow, John D., JOSA 67: 708, AO 17: 479
- Harper, John S.** See Crow, John D., OL 1: 40; Spiller, Eberhard, AO 13: 2105
- Harries, J. E.** See Beckman, J. E., AO 14: 470; Carli, B., JOSA 67: 917
- ; Chamberlain, John: Filter radiometer: the selective interferometer (T), AO 15: 2667
- Submillimeter wave spectroscopy of the atmosphere (R), JOSA 67: 880
- Temperature dependence of collision-induced absorption in gaseous  $N_2$  (TE), JOSA 69: 386
- Harrington, David**
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- Harrington, James A.** See Allen, Susan D., AO 17: 1679; Gregory, Don A., JOSA 67: 253; Rosenstock, Herbert B., JOSA 67: 252, AO 15: 2075, AO 16: 2837; Rudisill, J. Earl, JOSA 68: 1418, JOSA 69: 1438, AO 18: 1220; Turk, R. R., AO 18: 957
- ; Gregory, Don A.; Otto, William F., Jr.: Infrared absorption in chemical laser window materials (E), AO 15: 1953
- ; Braunstein, Morris; Rudisill, J. Earl: Measuring the infrared absorption in thin film coatings (E), AO 16: 2843
- Surface absorption in KCl and  $CaF_2$  at 2.8  $\mu m$  and 3.8  $\mu m$  (E) (L), AO 18: 2534
- ; Braunstein, Morris; Rudisill, J. Earl: Technique for measuring the infrared absorption in thin-film coatings (A), JOSA 67: 252
- ; Rudisill, J. Earl; Braunstein, Morris: Thin-film 2.8- $\mu m$  and 3.8- $\mu m$  absorption in single-layer films (E), AO 17: 2798
- ; Bobbs, Bradley L.; Braunstein, Morris; Kim, R. K.; Stearns, R.; Braunstein, Rubin: Ultraviolet-visible absorption in highly transparent solids by laser calorimetry and wavelength modulation spectroscopy (E), AO 17: 1541
- Harrington, R. F.** See Meaburn, John, AO 15: 3006
- Harris, C. E.** See Jelalian, A. V., JOSA 64: 539
- Harris, D. B.** See Webster, J. C., JOSA 67: 1438
- Harris, Franklin S., Jr.** See Swisler, Thomas J., JOSA 67: 257
- Aerosol measurements workshop, University of Florida, 24-26 Mar 1976 (M), AO 16: 1462
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- Atmospheric optics, Washington, 25 Apr 1974 (M), AO 13: 1990
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- ; McCormick, M. Patrick: Lorenz-Mie scattering for a mixture of two aerosol size distributions (A), JOSA 64: 540
- ; Rosen, James M.: Measured and analytic size distributions of stratospheric aerosols: a review and commentary (A), JOSA 67: 256
- Meteorological optics, topical meeting, Keystone, 28-29 Aug 1978 (M), AO 18: 583
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- Unusual solar halo complex (E) (L), JOSA 69: 1178
- What we know about aerosols and what we would like to know (A), JOSA 66: 1083
- Harris, J. H.** See Dalgoutte, David G., JOSA 64: 1366, AO 14: 1860; Winn, R. K., AO 14: 1213
- Harris, J. S.**
- ; Fusek, R. L.; Marcheski, J. S.: Stroboscopic interferometer (E), AO 18: 2368
- ; Hopkins, H. H.: Technique for absolute definition of spherical surface errors: its use in interferogram analysis (T), AO 18: 2372
- ; Hopkins, H. H.: Technique for defining the asphericity of a spherical surface and interferogram analysis (A), JOSA 68: 1416
- Harris, Jack K.**
- Dynamic photoelastic surface transduction (A), JOSA 69: 1408
- Harris, James L., Sr.**
- Constant variance enhancement: a digital processing technique (ET), AO 16: 1268
- Harris, James O., Jr.** See Cutchen, J. Thomas, AO 14: 1866
- Harris, James S.** See Slomba, Albert F., JOSA 64: 538
- Polarization dependence of diffraction efficiency for shallow reflective diffraction gratings at 10.6  $\mu m$  (A), JOSA 64: 538
- Harris, Jay H.** See Heiblum, M., JOSA 66: 290; Mitchell, Gordon L., JOSA 66: 291
- Harris, L. A.** See Stamm, G. L., AO 13: 2477
- Harris, Michael.** See Geary, Joseph M., AO 18: 2891
- Harris, Richard J.**
- ; Johnston, George T.; Kepple, G. A.; Krok, P. C.; Mukai, H.: Infrared thermooptic coefficient measurement of polycrystalline  $ZnSe$ ,  $ZnS$ ,  $CdTe$ ,  $CaF_2$ , and  $BaF_2$ , single crystal KCl, and Ti-20 glass (E), AO 16: 436
- ; Johnston, George T.; Mukai, H.: Measurement of the thermal coefficient of refractive index of polycrystalline  $ZnSe$ ,  $BaF_2$ , and  $CaF_2$  (A), JOSA 65: 1169
- Harris, Robert W.**
- Electronic instrumentation for a high-accuracy atmospheric extinction measurement (A), JOSA 65: 1201
- Harris, S. E.** See Falcone, R. W., JOSA 68: 1422, OL 3: 162; Green, W. R., JOSA 68: 1422, OL 4: 265; Newton, J. H., JOSA 67: 1395, JOSA 68: 1378; White, J. C., JOSA 68: 1422, OL 4: 137
- High-resolution and picosecond time scale vacuum ultraviolet light source (A), JOSA 67: 1384
- ; Young, J. F.: Laser-induced collisions (A), JOSA 66: 1116
- ; Young, J. F.; Falcone, R. W.; Green, W. R.; Lukasik, J.; White, J. C.; Zych, L. J.: Laser induced energy transfer—an approach to the x-ray laser problem (A), JOSA 68: 675
- ; Young, J. F.: Laser-induced inelastic collisions (A), JOSA 69: 1397
- ; Kung, A. H.; Young, J. F.: Nonlinear-optical techniques for the generation of ultraviolet, vacuum-ultraviolet, and soft-x-ray radiation (A), JOSA 64: 556
- Harrison, Douglas H.**
- ; Miller, Robert A.: Engineering considerations in the production of optical coatings (A), JOSA 66: 163
- Harrison, George R.**
- Compton, Arthur Holly, Scientific Papers: X-Ray and Other Studies. Edited by Robert S. Shankland (B), JOSA 64: 1350
- ; Loewen, Erwin G.; Wiley, Robert S.: Echelle gratings: their testing and improvement (E), AO 15: 971
- Hardy, Arthur Cobb, JOSA 67: 1710
- ; Loewen, Erwin G.: Ruled gratings and wavelength tables (R), AO 15: 1744
- Tables of Spectral-Line Intensities, Part 1: Arranged by Elements, Part 2 Arranged by Wavelengths. Second Edition of NBS Monograph 145. By W. F. Meggers, Charles H. Corliss, and Bourdon F. Scribner (B), AO 15: 843
- Harrison, Irene R.** See Stetson, Karl A., JOSA 67: 1433, AO 17: 1733
- ; Stetson, Karl A.: Removal of fringes caused by window irregularities from holographic interferograms (A), JOSA 68: 1389
- Harrison, M. G.**
- Deformation of a large optic caused by localized sudden thermal input (A), JOSA 69: 1458
- Harrison, R. G.** See Wood, R. A., JOSA 68: 1639
- Harrison, Robert E.**
- ; Hyman, Edward: Electromagnetic field scattering by a triangular aperture (T), AO 18: 823
- Harrison, Royal G.** See Duncan, Charles H., AO 16: 2690
- Hart, A. C., Jr.** See Kaiser, P., JOSA 64: 526, AO 14: 156
- ; Albarino, R. V.: Improved fabrication technique for applying coatings to optical fiber waveguides (A), JOSA 67: 706
- Hart, William D.** See Kim, Hongsuk H., AO 18: 3715
- Harte, J.** See Zimmerman, G., JOSA 68: 549
- Harter, William G.**
- ; Layer, Howard P.; Petersen, F. R.: Evidence of tumbling multiplets in saturation absorption spectra of  $SiF_4$  (T), OL 4: 90
- Hartley, D. L.** See Hill, R. A., AO 13: 186, AO 13: 1739
- Hartlove, J. S.** See Massie, N. A., JOSA 69: 1465; Southwell, W. H., JOSA 69: 1468
- Hartman, A. R.** See Brackett, C. A., JOSA 66: 391
- Hartman, John S.** See Gill, Dennis H., JOSA 66: 78; Lessor, Delbert L., JOSA 69: 357
- Hartman, N. F.** See Kenan, Richard P., JOSA 67: 1393; Verber, Carl M., JOSA 67: 1396
- Hartman, P. L.** See Hauelsen, Donald C., JOSA 68: 703
- Hartman, R. L.** See Cho, A. Y., JOSA 66: 290
- Hartmann, G. C.** See Fundsack, A. L., AO 17: 2650
- Hartmann, S. R.** See Flusberg, A., JOSA 68: 696; Kachru, R., JOSA 69: 1407
- Hartwick, T. S.** See Shimabukuro, F. I., AO 15: 1115
- ; Hodges, D. T.; Barker, D. H.; Foote, F. B.: Far infrared imagery (E), AO 15: 1919
- Harvey, A. B.** See Barrett, Joseph J., JOSA 65: 392
- Harvey, Albert B.**
- Raman Spectroscopy of Gases and Liquids. Edited by A. Weber (B), AO 18: 2745
- Harvey, G.** See Agostinelli, John A., JOSA 68: 1435, AO 18: 2500
- Harvey, J. E.** See DeBell, Arthur G., JOSA 68: 1397, AO 18: 3114; DeBell, M. A., JOSA 64: 1404; Livingston, William C., AO 15: 33, AO 15: 40; Platt, Ben C., JOSA 65: 1264



- Harvey, J. W.** See Worden, Simon P., JOSA 66: 181, JOSA 66: 1243
- Harvey, James E.** See Bartell, Frederick O., JOSA 67: 252
- Aberations of diffracted wave fields (A), JOSA 65: 1167
- ; Shack, Roland V.: Aberrations of diffracted wave fields (TE), AO 17: 3003
- ; Wolfe, William L.: Refractive index of Irtran 6 (hot-pressed cadmium telluride) as a function of wavelength and temperature (E), JOSA 65: 1267
- ; Gunderson, J. A.; Shack, Roland V.; Wolfe, William L.: Scattering properties of optical surfaces and baffle materials for infrared systems (A), JOSA 67: 254
- Transfer function characterization of scattering surfaces (A), JOSA 66: 1136
- ; Callahan, Gary M.: Transfer function characterization of deformable mirrors (A), JOSA 67: 1367
- Harvey, K. C.** See Bolton, P. R., JOSA 67: 1418
- ; Stoicheff, B. P.: Fine structure in the rubidium Rydberg series (A), JOSA 67: 1371
- Harvey, Lewis O., Jr.**
- Introduction to Perception. By Irvin Rock (B), JOSA 66: 510
- Psychology of Visual Perception. By Ralph Norman Haber and Maurice Hershenson (B), JOSA 64: 113
- Sensation and Perception: An Integrated Approach. By Harvey Richard Schiffman (B), JOSA 67: 414
- ; Gervais, Mary Cook: Short-term memory for visual texture (A), JOSA 68: 1454
- Visual and Auditory Perception. By Gerald M. Murch (B), JOSA 64: 113
- Harward, Charles N.**
- ; Hoell, J. M.: Optical feedback effects on the performance of  $Pb_{1-x}Sn_xSe$  semiconductor lasers (E), AO 18: 3978
- Pressure and temperature dependence of Freon-12 absorption coefficients for CO<sub>2</sub> waveguide laser radiation (E), AO 17: 1018
- Use of a CO<sub>2</sub> laser to determine half widths and strengths for lines in the 10.4- $\mu$ m CO<sub>2</sub> band (A), JOSA 64: 530
- Harwit, Martin.** See Sloane, Neil J. A., AO 15: 107, AO 17: 2991; Swift, Roderick D., AO 15: 1595; Tai, Ming-Hing, AO 14: 2533, AO 14: 2678, AO 15: 2664
- ; Tai, Ming-Hing: Fourier and Hadamard transform spectrometers: a limited comparison. Part 2 (T) (L), AO 16: 3071
- ; Phillips, Perry G.; King, Leon W.; Briotta, Daniel A., Jr.: Two asymmetric Hadamard transform spectrometers (ET), AO 13: 2669
- Hashimoto, Masahiro**
- Analysis of non-matched beam propagation in gradient-index optical guides (T), JOSA 65: 1483
- Haskal, Haim M.** See Goldner, R. B., AO 14: 2328
- Laser recording with truncated Gaussian beams (A), JOSA 68: 1436
- Laser recording with truncated Gaussian beams (T), AO 18: 2143
- ; Bernal G., Enrique; Chen, D.: Subnanosecond laser recording on MnBi thin films (E), AO 13: 866
- Haskell, Richard E.**
- Holographic correlation method for processing multispectral-scanner data (A), JOSA 64: 550
- Kinoform simulation using wedges, lenses, and line tracings (A), JOSA 65: 1178
- Hass, Georg.** See Cox, J. Thomas, AO 14: 1247, AO 17: 333, AO 17: 1657, AO 17: 2125, JOSA 64: 423; Heaney, J. B., JOSA 64: 1384; Hunter, W. R., JOSA 64: 429, JOSA 68: 1319; Osantowski, John F., JOSA 64: 1383
- ; Heaney, J. B.; Herzog, H.; Osantowski, John F.; Triolo, J. J.: Reflectance and durability of Ag mirrors coated with thin layers of Al<sub>2</sub>O<sub>3</sub> plus reactively deposited silicon oxide (TE), AO 14: 2639
- ; Hunter, W. R.: Reflection polarizers for the vacuum ultraviolet using Al + MgF<sub>2</sub> mirrors and an MgF<sub>2</sub> plate (A), JOSA 67: 1412
- ; Hunter, W. R.: Reflection polarizers for the vacuum ultraviolet using Al + MgF<sub>2</sub> mirrors and an MgF<sub>2</sub> plate (TE), AO 17: 76
- ; Hunter, W. R.: Transmittance of cultured crystalline quartz in the vacuum ultraviolet before and after electron irradiation (E), AO 17: 2310
- ; Hunter, W. R.: Transmittance of synthetic crystalline quartz from 2000 to 1450 Å (A), JOSA 64: 1383
- ; Heaney, J. B.; Toft, Albert R.: Transparent electrically conducting thin films for spacecraft temperature control applications (A), JOSA 67: 1429
- ; Heaney, J. B.; Toft, Albert R.: Transparent electrically conducting thin films for spacecraft temperature control applications (E) (L), AO 18: 1488
- Hass, Marvin.** See Gregory, Don A., JOSA 67: 253; Palik, E. D., AO 17: 1776; Rosenstock, Herbert B., JOSA 67: 252, AO 16: 2837
- ; Davison, James W.: Absorption coefficient of pure water at 488 and 541.5 nm by adiabatic laser calorimetry (E), JOSA 67: 622
- ; Davison, James W.; Rosenstock, Herbert B.; Babiskin, Julius: Measurement of very low absorption coefficients by laser calorimetry (E), AO 14: 1128
- ; Bendow, Bernard: Residual absorption in infrared materials (A), JOSA 67: 253
- ; Bendow, Bernard: Residual absorption in infrared materials (R), AO 16: 2882
- Hassan, S. S.** See Carmichael, H. J., JOSA 68: 1636
- Hasselmark, D. E.** See Angelbeck, A. W., JOSA 66: 391
- Hasson, V.**
- ; von Bergmann, H. M.; Brink, D. J.: High-pressure self-sustained glow discharge lasers operating at high specific power loadings (A), JOSA 68: 673
- Hasted, J. B.** See Afsar, M. N., JOSA 67: 902
- Hastings, J. W.**
- Effects of light upon circadian rhythms (A), JOSA 64: 534
- Hatakeyama, Iwao.** See Tsuchiya, H., JOSA 67: 709
- ; Tsuchiya, Haruhiko: Fusion splices for optical fibers by discharge heating (E), AO 17: 1959
- Hatakoshi, Gen-ichi**
- ; Tanaka, Shun-ichi: Grating lenses for integrated optics (ET), OL 2: 142
- Hatcher, C. W.** See Johnson, W. L., JOSA 68: 550
- Hattori, Shuzo.** See Kono, Akihiro, AO 13: 2002, JOSA 69: 253; Mizuno, Takashi, JOSA 67: 1651
- Hattori, Y.** See Uchida, Naoya, JOSA 67: 707
- Hauck, J. P.**
- ; McMullen, J. D.; Hayes, C. L.: Coherent optical pulse synthesis using phase-locked lasers and nonlinear optical processes (T) (L), AO 18: 1693
- Hauck, R.** See Braunecker, B., JOSA 67: 1423, AO 18: 44, AO 18: 2746
- Hauelsen, Donald C.** See Depatie, David, JOSA 69: 372
- ; Mahr, H.; Tang, C. L.; Cassidy, J. C.; Copeland, D. A.; Hartman, P. L.: Preferred and photoinduced charge transfer (A), JOSA 68: 703
- Hauer, A.** See Steel, Duncan G., JOSA 68: 550
- Hauge, P. S.** See Aspnes, D. E., JOSA 66: 949
- Mueller matrix ellipsometry with imperfect compensators (T), JOSA 68: 1519
- Polycrystalline silicon film thickness measurement from analysis of visible reflectance spectra (TE), JOSA 69: 1143
- Haugen, G. R.** See Ramsey, J. M., AO 18: 1913
- Haught, Kenneth M.** See Cordray, D. Merritt, JOSA 68: 1424
- ; Dowling, James A.: Analysis of long-path DF laser atmospheric transmission measurements (A), JOSA 66: 1087
- Fourier transform spectroscopy measurements of long-path atmospheric absorption (A), JOSA 68: 1425
- ; Cordray, D. Merritt: Long-path high-resolution atmospheric transmission measurements: comparison with LOWTRAN 3B predictions (E) (L), AO 17: 2668
- ; Cordray, D. Merritt: Long-path high-resolution atmospheric transmission measurements: comparison with LOWTRAN 3B predictions; authors' reply to comments (L), AO 18: 593
- ; Dowling, James A.: Long-path high-resolution field measurements of absolute transmission in the 3.5- to 4.0- $\mu$ m atmospheric window (E), OL 1: 121
- Hauptmann, E. G.** See McAdam, D. W., AO 14: 1764
- Haus, H. A.** See Ho, P.-T., JOSA 68: 1620
- ; Schmidt, R. V.: Approximate analysis of optical waveguide grating coupling coefficients (T), AO 15: 774
- ; Kogelnik, H.: Electromagnetic momentum and momentum flow in dielectric waveguides (T), JOSA 66: 320
- Gain saturation in distributed feedback lasers (T), AO 14: 2650
- Hauser, G. C.** See Brannon, Paul J., AO 13: 1555
- Hauser, J. R.** See Ajmera, P. K., AO 14: 2905
- Hauser, N. R.**
- Effects of atmospheric propagation on mean optical irradiance of a LED (A), JOSA 68: 541
- Hauser, O. G.** See Ruckdeschel, F. R., AO 17: 3376, AO 17: 3999
- Havens, William H.**
- Measurement of low level photodiode noise currents (E), AO 13: 2209
- Havey, M. D.**
- ; Bailing, L. C.; Wright, J. J.: Direct measurements of excited-state lifetimes in Mg, Ca, and Sr (E), JOSA 67: 488
- ; Bailing, L. C.; Wright, J. J.: Measurement of the lowest S-state lifetime at Al, Ga, In, and Tl (E), JOSA 67: 491
- Havrilla, George J.**
- ; Green, Robert B.; Trask, Terry O.: Capacitor modification for the Schenck-Metcalf nitrogen laser (E) (L), AO 17: 3525
- Hawk, R. M.** See Thiel, Frank L., AO 15: 2785, AO 16: 1468
- Hawkes, J. B.**
- ; Astheimer, R. W.: Optical properties of water in the neighborhood of 35 °C (E) (L), JOSA 64: 105
- Hawkes, P. W.**
- Defect Analyses in Electron Microscopy. By M. H. Loretto and R. E. Smallman (B), AO 16: 1458
- Design of Optical Systems. By G. G. Slyusarev (B), AO 15: 2292
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- Shadow Methods. By L. A. Vasiliev (B), AO 16: 7
- Hawkins, J. D.**
- ; Shull, W. A.; Reynolds, T. B.; Dowley, M. W.: Low-power, low-cost blue lasers: A glimpse at the future of He-Cd laser technology (A), JOSA 66: 386
- ; Shull, W. A.; Reynolds, T. B.; Dowley, M. W.: Modulatable laser for system applications (A), JOSA 66: 385
- Hawkins, R. T.** See Kowalski, F. V., JOSA 66: 1665
- ; Egger, H.; Bokor, Jeffrey; Rhodes, Charles K.: Ultranarrow linewidth excimer laser sources (A), JOSA 69: 1449
- Hawkins, T. D. F.** See Allen, R. R., JOSA 68: 541
- Hawley, J. G.** See Eckstrom, D. J., AO 16: 2102; Grant, W. B., AO 14: 1257; Marling, Jack B., AO 13: 2317; Murray, E. R., AO 15: 3140
- Hawman, Eric G.**
- Arc length constrained image restoration (A), JOSA 66: 1112
- Image restoration subject to surface area or arc length constraints (T), JOSA 67: 76



- Image restoration subject to surface area or arc length constraints (errata), JOSA 67: 576
- ; Hershel, Ronald S.: Maximum likelihood method for obtaining near-diffraction-limited images through the turbulent atmosphere (A), JOSA 67: 1415
- Hawthorne, Alan R.**
- ; Thorngate, John H.: Improving analysis from second-derivative UV-absorption spectrometry (TE), AO 17: 724
- Hayami, H.** See Fukumoto, A., AO 14: 812; Kawabuchi, M., AO 14: 15
- Hayashi, H.** See Fujii, Y., JOSA 66: 385
- Hayat, Gilbert S.** See DaSilva, E., JOSA 66: 1106
- ; Pieuchard, Guy: Holographic gratings, designing a new generation of instruments (A), JOSA 64: 1376
- Hayden, J. J.** See Liberman, I., JOSA 66: 387; Parker, J. V., JOSA 66: 387
- Hayes, C. L.** See Hauck, J. P., AO 18: 1693; SooHoo, J., OL 4: 202
- ; Brandewie, R. A.; Davis, W. C.; Mevers, Gus E.: Experimental test of an infrared phase conjugation adaptive array (E), JOSA 67: 269
- ; Laughman, L. M.: Generation of coherent optical pulses (E) (L), AO 16: 263
- ; Davis, W. C.: High-power-laser adaptive phased arrays (ET), AO 18: 4106
- Hayes, Edward F.**
- Annual Review of Physical Chemistry, Volume 28. Edited by B. S. Rabinovitch (B), AO 17: 3515
- Hayes, John**
- ; Underwood, K. L.; Loomis, John S.; Parks, Robert E.; Wyant, James C.: Testing of nonlinear diamond-turned reflexicons (A), JOSA 69: 1418
- Hayes, John D.** See Harper, David C., JOSA 64: 256
- Hayes, John N.** See Ulrich, Peter B., JOSA 64: 549
- Thermal blooming of rapidly slued laser beams (T), AO 13: 2072
- Hayes, R. W.** See Fawcett, B. C., JOSA 65: 623
- Hayford, M. J.**
- ; Sinclair, Douglas C.: Comparison of curvatures and lens bendings as variables for computer-aided lens optimization (A), JOSA 69: 1408
- Hayhoe, Mary M.** See MacLeod, Donald I. A., JOSA 64: 92
- ; Tinker, C. B.: Saturation of the cone system by small steady backgrounds (A), JOSA 69: 1453
- ; MacLeod, Donald I. A.: Single anomalous photopigment? (E) (L), JOSA 66: 276
- Sites of action of small adapting fields (A), JOSA 68: 1450
- Visual Psychophysics and Physiology. Edited by John C. Armington, John Krauskopf, and B. R. Wooten (B), JOSA 69: 920
- Hayhurst, Thomas L.**
- Continuing investigations of the K I isoelectronic series with Hartree-Fock calculations (A), JOSA 66: 1068
- Hays, A. K.**
- ; Tisone, G. C.; Hoffman, J. M.: High pulsed power and high average power rare-gas-halogen lasers (A), JOSA 66: 1099
- Laser oscillation on the 2580 Å band system of molecular chlorine (A), JOSA 68: 1356
- Hays, G. N.** See Gerber, Robert A., JOSA 68: 549; Hoffman, J. M., JOSA 68: 651; Patterson, E. L., JOSA 68: 651
- Hays, P. B.** See Abreu, Vincent J., AO 18: 3324; Torr, M. R., AO 15: 600
- ; Anger, C. D.: Influence of ground scattering on satellite auroral observations (T), AO 17: 1898
- Hayslett, Charles R.** See Koliopoulos, Chris L., OL 3: 118; Kwon, Ouk, JOSA 67: 1365; Swantner, William H., JOSA 66: 1117, JOSA 67: 1365, JOSA 68: 1416
- Hayward, Gary.** See Salcedo, Jose, JOSA 66: 1074
- ; Siegman, A. E.: High-repetition-rate thin picosecond dye laser (A), JOSA 68: 1394
- Hayward, R. A.** See Tricoles, G., JOSA 66: 634, JOSA 67: 1394
- Hazi, A.** See Bender, C. F., JOSA 68: 548
- Head, Alan K.**
- Aplanatic mirror pairs (T) (L), AO 15: 2621
- Healy, A. W.** See Oleson, J. R., AO 13: 206
- Heaney, J. B.** See Hass, Georg, JOSA 67: 1429, AO 14: 2639, AO 18: 1488
- ; Herzig, J.; Osantowski, John F.: Auger spectroscopic examination of MgF<sub>2</sub>-coated Al mirrors after UV irradiation (A), JOSA 65: 1215
- ; Herzig, J.; Osantowski, John F.: Auger spectroscopic examination of MgF<sub>2</sub>-coated Al mirrors before and after UV irradiation (E), AO 16: 1886
- ; Hass, Georg; Herzig, H.; Osantowski, John F.; Triolo, J. J.: Reflectance and durability of Ag mirrors coated with thin layers of Al<sub>2</sub>O<sub>3</sub> plus reactively deposited silicon oxide (A), JOSA 64: 1384
- Heap, Michael P.** See Trolinger, James D., AO 18: 1757
- Heath, Donald F.** See Aruga, Tadaashi, JOSA 68: 1434
- Heath, James W.** See Jull, Edward V., JOSA 67: 557
- ; Jull, Edward V.: Perfectly blazed reflection gratings with rectangular grooves (TE), JOSA 68: 1211
- Heavens, O. S.**
- Thin films: a survey as of April 1975 (L), AO 14: 2789
- Hebb, Richard.** See Browder, James Steve, JOSA 67: 1443
- Hebert, Raymond T.** See Mueller, Paul A., JOSA 66: 379
- Point-of-sale scanner designed for production (A), JOSA 66: 381
- Hecht, David L.** See Iwasa, Sato, JOSA 65: 1178
- Acousto-optical devices for optical information processing up to 1 GHz bandwidth (A), JOSA 67: 1444
- ; Flores, L. N.; Larimer, J.: Dual channel acousto-optical Bragg cell for optical information processing (A), JOSA 68: 1363
- ; Wofford, S.; Flores, L. N.: Large dynamic range acousto-optical devices using birefringent diffraction in TeO<sub>2</sub> (A), JOSA 68: 1363
- Multifrequency acousto-optic diffraction processors (A), JOSA 64: 1392
- ; Chang, I. C.; Boyd, A.: Multispectral imaging and photomicrography using tunable acousto-optic filters (A), JOSA 65: 1172
- Variable bandshapes in birefringent acousto-optical diffraction in LiNbO<sub>3</sub> (A), JOSA 66: 1094
- Heckl, J. P.** See Andrews, C. L., JOSA 64: 528
- Heckacher, H.** See Chinn, S. R., AO 15: 1444
- ; Rossi, J. A.: Flashlight-size external cavity semiconductor laser with narrow-linewidth tunable output (E), AO 14: 94
- Hedin, V. A.** See Avizonis, P. V., AO 17: 1527
- Heemskerk, J. P. J.**
- Noise in a video disk system: experiments with an (AlGa)As laser (E), AO 17: 2007
- ; Braat, J. J. M.; Bouwhuis, G.: Scanning microscope (A), JOSA 68: 1407
- Heer, C. V.**
- ; Griffen, N. C.: Generation of a phase-conjugate wave in the forward direction with thin Na-vapor cells (ET), OL 4: 239
- Heflinger, L. O.** See Briones, R. A., AO 17: 944
- ; Stewart, G. L.; Booth, C. R.: Holographic motion pictures of microscopic plankton (E), AO 17: 951
- Hegarty, J.** See Broer, M. M., OL 3: 175
- Hegedus, Z. S.** See Hariharan, P., OL 1: 8, AO 14: 22, AO 14: 273, AO 15: 848
- Heiblum, M.**
- ; Harris, Jay H.: Wave characteristics of bends in dielectric guides (A), JOSA 66: 290
- Heidenreich, R. D.** See Tracy, J. C., AO 13: 1695
- Heidinger, F.** See Schmidtke, G., AO 14: 1645
- Heidrich, P. F.** See White, J. M., AO 15: 151
- Heiman, D.** See Feinberg, Jack, JOSA 68: 1367, JOSA 69: 1476; Hamilton, D. S., OL 4: 124
- Heimlich, R.** See Walker, T. W., AO 16: 1342
- Heiniger, F.**
- ; Tschudi, Theo: Moire depth contouring (T), AO 18: 1577
- Heintzenberg, Jost**
- ; Witt, Georg: Extension of atmospheric light scattering measurements into the UV region (TE) (L), AO 18: 1281
- ; Baker, M. B.: Spherical particle populations: approximate analytic relationship between size distribution parameters and integral optical properties (T), AO 15: 1178
- ; Baker, M. B.: Spherical particle populations: approximate analytic relationship between size distribution parameters and integral optical properties (errata), AO 15: 1904
- Heinz, Robert A.**
- ; Klaiber, Robert J.; Oehrle, Robert C.: Liquid crystal artwork generator (A), JOSA 66: 381
- Heitman, James M.**
- ; Barry, James D.: Space Nd:YAG laser-lamp studies (A), JOSA 64: 521
- Heitmann, H.** See Hill, B., AO 14: 2607
- Heitmann, H. H.** See Wellegehausen, B., JOSA 68: 715
- Heitmann, Walter**
- Attenuation measurement in glasses for optical communications: an immersion method (E), AO 15: 256
- Attenuation measurement in low-loss optical glass by polarized radiation (A), JOSA 64: 1366
- Attenuation measurement in low-loss optical glass by polarized radiation (E), AO 14: 3047
- Helbert, J. M.**
- ; Laforie, P.; Miche, P.: Conditions of pressure scanning of a Fabry-Perot interferometer over a wide spectrum range (TE), AO 16: 2119
- Helbig, Reinhard.** See von Ortenberg, Michael, JOSA 67: 968
- Held, Richard.** See Wolfe, Jeremy M., JOSA 69: 1423
- Two factors in the development of visual acuity (A), JOSA 65: 1217
- Heller, Carl A.**
- ; Jernigan, J. L.: Electrochemical pumping of laser dyes (E), AO 16: 61
- Heller, D. F.**
- ; Yardley, J. T.: Infrared multiphoton primary photophysics (A), JOSA 68: 1641
- Heller, J. M., Jr.** See Birkhoff, R. D., AO 16: 2576
- Heller, M. E.** See Firester, Arthur H., AO 16: 1971
- Hellwarth, Robert W.** See Feinberg, Jack, JOSA 68: 1367, JOSA 69: 1476; Hamilton, D. S., OL 4: 124
- ; Jensen, S. L.; Feinberg, Jack; Wang, Victor: Generation of time-reversed replicas of complex wave fronts by nonlinear refraction and stimulated scattering (A), JOSA 68: 689
- Generation of time-reversed wave fronts by nonlinear refraction (T), JOSA 67: 1
- Generation of time-reversed wave fronts by nonlinear refraction (errata), JOSA 68: 1155
- ; Christensen, Paul: Nonlinear optical microscope using second harmonic generation (L), AO 14: 247
- Theory of phase conjugation by stimulated scattering in a waveguide (T), JOSA 68: 1050
- Hellweg, M. A.** See Morris, S. J., AO 18: 303
- Helmcke, J.** See Lee, S. A., OL 3: 141
- ; Lee, S. A.; Hall, J. L.: Observation of ultranarrow Ramsey fringes in two-photon transitions to Rydberg levels in a rubidium atomic beam (A), JOSA 68: 1635
- Helsdon, John H., Jr.** See Orville, Richard E., AO 13: 2197
- Helstrom, Carl W.**
- Resolvable degrees of freedom in observation of a coherent object (T), JOSA 67: 833
- Transmission of Information in the Optical Waveband. By L. G. Kazovsky (B), JOSA 69: 205
- Hemenger, Richard P.**
- Optical properties of turbid media with specularly reflecting boundaries: applications to biological problems (T), AO 16: 2007
- Solutions of a modified transport equation for multiple scattering in suspensions of highly anisotropic scatterers (T), JOSA 64: 503
- Hemler, Richard.** See Fraser, Alistair B., JOSA 65: 1174
- Hemmati, H.** See Shay, T., JOSA 68: 1356
- Henc-Bartolic, Vsnja**
- ; Soldo, Dunja; Persin, Anton: Atomic-state densities of Ne I levels and *N<sub>f</sub>* values of Br II levels in Ne-Br<sub>2</sub> mixtures (E), JOSA 68: 259
- ; Persin, Anton; Soldo, Dunja; Eman, B.: Atomic-state densities of Ne metastable and Br resonant levels in a Ne-Br<sub>2</sub> mixture (E) (L), JOSA 64: 1720
- Henderson, B. J.** See Bates, Harry E., JOSA 68: 919
- Henderson, D. M.** See Goodwin, F. E., JOSA 66: 388, JOSA 66: 389
- Waveguide lasers with intracavity electrooptic modulators: misalignment loss (T), AO 15: 1066
- Henderson, Dale B.** See Stroschio, Michael A., JOSA 68: 661
- Henderson, T. M.** See Musinski, D. L., JOSA 68: 550; Solomon, D. E., JOSA 68: 545
- ; Cielaszy, D. E.; Simms, R. J.; Rensel, W. B.: Semiautomated analysis of radiographs of laser fusion targets (A), JOSA 68: 545



- Hendow, Sami.** See Chow, Weng W., JOSA 68: 1380
- Hendricks, Charles D.** See Johnson, W. L., JOSA 68: 550; Singleton, Russell M., JOSA 68: 545, AO 18: 4116; Weinstein, Berthold W., JOSA 68: 544, AO 17: 3641; Woerner, R. L., JOSA 68: 550  
Automated laser fusion target production concept (A), JOSA 68: 550  
Production of power plant inertial confinement fusion targets (A), JOSA 68: 550
- Hendrickson, B. E.** See Gardner, C. S., AO 17: 3143
- Hendrickson, P. E.**  
—; Walls, W. L.; Broersma, S.: Derivatives of 6.3  $\mu\text{m}$  water-vapor-band (ET), JOSA 64: 1119
- Heneghan, J. M.** See Homstad, Gerald E., JOSA 64: 162
- Henesian, Michael A.** See Byer, Robert L., JOSA 69: 1476; May, A. D., JOSA 67: 1397  
—; Duncan, Michael D.; Byer, Robert L.; May, A. D.: Absolute Raman frequency measurement of the Q(2) line in  $\text{D}_2$  using cw CARS (E), OL 1: 149  
—; Byer, Robert L.: High-resolution CARS line-shape function (A), JOSA 68: 648
- Hengstberger, F.** See Res, M. A., AO 14: 1017
- Henize, Karl G.** See O'Callaghan, Fred G., AO 16: 973
- Henke, M. D.** See Griggs, J. E., JOSA 66: 390
- Henkelman, R. M.**  
—; Bronskill, M. J.: Imaging extended objects with a Fresnel-zone-plate aperture (T), JOSA 64: 134
- Hennessey, P.** See Vedom, K., JOSA 65: 442  
—; Vedom, K.: Piezo- and thermo-optical properties of  $\text{Bi}_{12}\text{GeO}_{20}$ , I. Optical rotatory dispersion (ET), JOSA 65: 436  
—; Vedom, K.: Piezo- and thermo-optical properties of  $\text{Bi}_{12}\text{GeO}_{20}$ , III. The dispersion theories and models (T), JOSA 69: 352
- Hennessy, Robert T.**  
—; Richards, Whitman: Contrast sensitivity and viewing distance (E) (L), JOSA 65: 97  
Instrument myopia (E), JOSA 65: 1114
- Henning, H. B.**  
Polarization uses in lasergyros (A), JOSA 65: 1211
- Hennings, D.** See Dainty, J. Christopher, JOSA 69: 1422
- Henningsen, T.**  
—; Garbuny, M.; Byer, Robert L.: Remote detection of CO by parametric tunable laser (A), JOSA 64: 257
- Henriksen, Kjell**  
Absolute calibration of auroral photometers and ground-based measurements in the 3200–7500-Å spectral region (ET), AO 13: 1196  
—; Holbak, Bengt; Witt, Georg: Sky background measurements in the 4800–5800-Å region at the latitude of the polar cleft (E), AO 17: 2594
- Henry, R. L.** See Perkowitz, S., AO 18: 2349
- Henshaw, P. D.** See Sanchez, A., AO 18: 2359
- Hensler, J. Raymond.** See Moore, Duncan T., JOSA 64: 1376
- Hentea, Toma.** See Saleh, Bahaa E. A., JOSA 67: 1406
- Henton, R. F.** See Ransom, Preston L., AO 13: 2765
- Hepner, G.** See Castera, J. P., AO 16: 2031  
—; Desormiere, B.: Influence of the quadratic magneto-optical effect on light propagation in garnet films (T) (L), AO 13: 2007  
—; Castera, J. P.; Desormiere, B.: Magnetic stripe domain deflector in integrated optics (E) (L), AO 15: 1683  
—; Desormiere, B.; Castera, J. P.: Magneto-optic effects in garnet thin film waveguides (ET) (L), AO 14: 1479
- Heppner, J.**  
Far infrared laser resonator for TEM<sub>00</sub> mode operation (E) (L), AO 17: 1488
- Herbelin, John M.**  
Continuous-wave ( $\text{F} + \text{H}_2$ ) chemical lasers: a temperature-dependent analytical diffusion model (T), AO 15: 223
- Herbert, Jack.** See Bhardwaja, P. S., AO 13: 731
- Herbert, Thomas J.**  
—; Rosenwasser, George O. D.: Alternating electric field light scattering by signal averaging (A), JOSA 69: 1408  
—; Acton, John D.: Photon correlation spectroscopy of light scattered from microscopic regions (ET) (L), AO 18: 588
- Herboeck, D.** See Busse, G., AO 18: 3959
- Herbst, R. L.** See Brosnan, S., JOSA 66: 385, JOSA 66: 1126; Byer, Robert L., JOSA 67: 255
- Hercher, Michael.** See Roychoudhuri, Chandrasekhar, AO 16: 2514
- Herget, William F.**  
—; Jahnke, J. A.; Burch, Darrell E.; Gryvnak, David A.: Infrared gas-filter correlation instrument for in situ measurement of gaseous pollutant concentrations (ET), AO 15: 1222  
—; Brasher, James D.: Remote measurement of gaseous pollutant concentrations using a mobile Fourier transform interferometer system (E), AO 18: 3404
- Heritage, J. P.** See Ausschnitt, C. P., JOSA 68: 666; Jain, R. K., JOSA 67: 1424  
New technique for measurement of Raman depasing dynamics (A), JOSA 68: 1625  
Picosecond Raman gain from a surface monolayer (A), JOSA 69: 1436  
—; Jain, R. K.; Shank, C. V.: Synchronization of picosecond pulses at two independently tunable wavelengths (A), JOSA 67: 1425
- Herman, Benjamin M.** See Bohren, Craig F., JOSA 69: 1615; Clements, Arthur E., AO 13: 2947; King, Michael D., JOSA 67: 256; Reagan, John A., JOSA 67: 259  
Solution to the radiative transfer equation employing a semianalytical integration over optical depth (A), JOSA 67: 261
- Herman, Edward J.** See Chi, Changhui, JOSA 68: 1404
- Herman, Gary E.**  
Threshold bandwidths of spatial-frequency filters in human vision (A), JOSA 65: 1185
- Herman, Irving P.** See Fulghum, S. F., Jr., JOSA 68: 1356; Marling, Jack B., JOSA 68: 685, JOSA 68: 1422  
Calculation of fluence-dependent dissociation probabilities in infrared multiple-photon photolysis (T), OL 4: 403
- Herman, J. P.** See Smith, P. W., JOSA 69: 1421
- Herman, M. See Tanre, D., AO 18: 3587**
- Herman, R. M.**  
—; Serinko, R. J.; Wiggins, T. A.: Nonlinear optical birefringence gratings in nematic liquid crystals at Fredericksz transitions (A), JOSA 68: 1624  
—; Chin, C. L.; Young, E.: Nonlinear reflection properties of germanium associated with thermal effects (T), AO 17: 520
- Hermann, J. A.**  
—; Bullough, R. K.: Superfluorescence from degenerate media (A), JOSA 68: 701
- Hermann, J. P.** See Wynne, James J., JOSA 68: 1412, OL 4: 106
- ; Wynne, James J.: Ionization studies in Ba vapor (A), JOSA 68: 1412  
—; Wynne, James J.: Ionization studies in Ba vapor via stimulated electronic Raman scattering in  $\text{Ba}^+$  (A), JOSA 68: 1631
- Hernandez, G.**  
Analytical description of a Fabry-Perot spectrometer. 3: Off-axis behavior and interference filters (TE), AO 13: 2654  
Analytical description of a Fabry-Perot spectrometer. 4: Signal noise limitations in data retrieval; winds, temperature, and emission rate (T), AO 17: 2967  
Analytical description of a Fabry-Perot spectrometer. 3: Off-axis behavior and interference filters (errata), AO 18: 3364  
Analytical description of a Fabry-Perot spectrometer. 5: Optimization for minimum uncertainties in the determination of Doppler widths and shifts (T), AO 18: 3826  
Atmospheric spectroscopy: an introduction (M), AO 18: 3375  
Piezoelectric scanning of Fabry-Perot spectrometers: nonlinearities (TE), AO 17: 3088  
—; Roble, R. G.: Thermospheric dynamics investigations with very high resolution spectrometers (ET), AO 18: 3376
- Herold, R. L.** See Casasent, David, AO 13: 2268, AO 14: 369, AO 14: 1259
- Herold, Ron.** See Leib, Kenneth G., AO 17: 2892; Pernick, B. J., JOSA 66: 382, AO 17: 43
- Heroux, L.** See McMahon, W., AO 13: 438  
Beam-Foil Spectroscopy. Edited by S. Bashkin (B), AO 14: 1039
- Herriau, J. P.** See Huignard, J. P., JOSA 66: 389, OL 4: 21, AO 16: 1807, AO 16: 2796, AO 17: 2671  
—; Huignard, J. P.; Aubourg, P.: Polarization properties of volume holograms in  $\text{Bi}_{12}\text{SiO}_{20}$  crystals and applications (ET) (L), AO 17: 1051
- Herriott, Donald R.** See Bruning, J. H., AO 13: 2693  
CLEA 1973 (M), AO 13: 243  
Surface-interferometry techniques (A), JOSA 64: 1361
- Herrman, Mary D.** See Query, Marvin R., JOSA 64: 39
- Herrmann, Jan.** See Bradley, Lee C., AO 13: 331  
Properties of phase conjugate adaptive optical systems (T), JOSA 67: 290  
Properties of phase-conjugate COAT (A), JOSA 65: 1212
- Hershel, Ronald S.** See Hawman, Eric G., JOSA 67: 1415; Shrode, Theodore E., JOSA 67: 1416  
—; Scott, Paul W.; Shrode, Theodore E.: Image sampling using phase gratings (T) (L), JOSA 66: 861
- Herwig, Lloyd O.**  
Solar energy: an alternative energy source (A), JOSA 64: 1355
- Herzig, H.** See Hass, Georg, AO 14: 2639; Heaney, J. B., JOSA 64: 1384, JOSA 65: 1215  
—; Spencer, R. S.; Zaniewski, J. J.: Effect of UV irradiation on the reflectance of silicon-oxide-protected aluminum in the far UV (E) (L), AO 17: 3031
- Herzig, J.** See Heaney, J. B., AO 16: 1886
- Herziger, G.** See Engel, A., AO 13: 269; Indebetouw, G., JOSA 66: 169, AO 15: 516; Leuenberger, H. U., AO 14: 1190; Tschudi, Theo., AO 13: 245
- Herzog, A. H.** See Chang, M. S., AO 14: 1572
- Hessel, A.** See Cheo, L. S., JOSA 67: 1686  
—; Schmoys, J.; Tseng, David Y.: Bragg-angle blazing of diffraction gratings (T), JOSA 65: 380
- Hessel, Kenneth R.** See Stalker, K. Terry, JOSA 65: 1189  
—; Stalker, K. Terry: Data recording using one-dimensional holography (A), JOSA 65: 1224  
Theoretical limitations of the optical power spectrum analyzer (T), AO 13: 1023
- Hesslink, Lambertus.** See George, Nicholas, JOSA 67: 1375  
—; George, Nicholas: Laser propagation through a random medium (A), JOSA 68: 1370  
—; George, Nicholas: Laser propagation through a time-varying random medium (A), JOSA 69: 1412
- Hessler, Jan P.** See Caird, John A., JOSA 68: 549
- Heumann, E.** See Daehne, S., JOSA 68: 683
- Heupel, Carol.** See Guth, Sherman L., JOSA 68: 1437
- Hewko, R. A. D.** See McMath, T. A., JOSA 67: 630
- Heyder, Joachim**  
—; Gebhart, Josef: Optimization of response functions of light scattering instruments for size evaluation of aerosol particles (TE), AO 18: 705
- Heyneman, Nicholas E.** See Nagy, Allen L., JOSA 69: 1420
- Hickey, John R.** See Duncan, Charles H., AO 16: 2690; Karoli, A. R., JOSA 64: 546; Smith, W. Lee, AO 16: 306  
—; Karoli, A. R.: Radiometric calibrations for the earth radiation budget experiment (E), AO 13: 523  
Solar radiation measurements and instrumentation, Smithsonian symposium, Rockville, 13–15 Nov 1973 (M), AO 13: 1262
- Hickman, T. R.** See Bucaro, J. A., AO 18: 938
- Hicks, A.** See Young, Matt, AO 13: 2486
- Hicks, Kenyon I.** See Petersik, J. Timothy, JOSA 67: 1401
- Hidaka, Takehiko**  
Synthetic-aperture electron microscopy (T) (L), JOSA 66: 147
- Hiebert, R. D.** See Bartholdi, Marty, OL 1: 223
- Hieftje, Gary M.** See Ramsey, J. M., AO 18: 1913  
Atomic spectroscopy, 5th international conference, Monash University, 25–29 Aug 1975 (M), AO 14: 2779
- Hien, N. C.** See van der Meulen, Y. J., JOSA 64: 804
- Higgins, Kent E.**  
Bloch's law and the spatial Broca-Sulzer effect (A), JOSA 64: 1399  
—; Brooks, D. N.; Gottschalk, G.: Pedigree involving the tritan color deficiency (A), JOSA 68: 1392
- Higuchi, H.** See Hamasaki, Joji, AO 16: 1675



- ; Okada, M.; Hamasaki, Joji: Real-time optical sectioning having high SNR by using frequency interleaving (ET) (L), AO 16: 1777
- ; Hamasaki, Joji: Real-time transmission of 3-D images formed by parallax panoramagrams (TE), AO 17: 3895
- Hilberg, R. P. See Dishington, R. H., AO 13: 2300
- Hildebrand, B. P.  
Acoustical holography by sector scanning (errata), JOSA 64: 578  
Holographic lens tester (A), JOSA 65: 1216  
—; Gordon, R. L.; Allen, E. V.: Instrument for measuring the roughness of supersmooth surfaces (E), AO 13: 177  
—; Allen, E. V.: Miniature pulsed holo-camera (A), JOSA 67: 1435  
Ultrasonic Imaging and Holography: Medical, Sonar and Optical Applications. Edited by G. W. Stroke, W. S. Kock, et al. (B), AO 13: 2957
- Hildebrand, R. H. See Harper, D. A., AO 15: 53, AO 15: 814; Keene, J., AO 17: 1107
- Hildebrandt, G. F. See Stickel, R. E., Jr., AO 17: 2270
- Hildum, J. S. See Moncur, N. Kent, JOSA 66: 390
- Hilgeman, T. See Egan, W. G., JOSA 64: 547, JOSA 65: 1211, JOSA 67: 252, JOSA 69: 1415, AO 14: 1137, AO 15: 1845, AO 16: 2861, AO 17: 245
- Hill, B.  
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Recent progress in magneto-optical memories (A), JOSA 67: 1403
- Hill, Bruce C. See Nokes, Mark A., JOSA 68: 1390
- ; Nokes, Mark A.: Laser heterodyne interferometer for measuring biological motions. II. Phase tracking detection system (A), JOSA 68: 1390
- Hill, C. See Smith, S. J., JOSA 66: 1120
- Hill, H. A. See Ballard, P. T., AO 17: 331; Figoski, J. W., JOSA 66: 1089; Oleson, J. R., AO 13: 206; Smolka, F. M., JOSA 66: 1089, AO 15: 2423, AO 16: 1292
- ; Ballard, P. T.; Bryan, S. D.; Rosenwald, R. D.: Representation of observable signals in Chebyshev polynomials: application to phase-sensitive detection (T), JOSA 69: 978
- ; Ballard, P. T.; Figoski, J. W.; Caudell, T. P.: Shearing interferometer as an interferometric filter for the reduction of scattered light (TE), AO 16: 195
- Hill, John C. See Majkowski, Richard F., AO 17: 975; Montgomery, G. Paul, Jr., JOSA 65: 579
- ; Montgomery, G. Paul, Jr.: Diode lasers for gas analysis: some characteristics (E), AO 15: 748
- Hill, Kenneth O. See Johnson, Derwyn C., AO 17: 3032; Kawasaki, Brian S., JOSA 67: 1372, JOSA 68: 663, OL 1: 107, OL 3: 66, AO 16: 1239, AO 16: 1794; Matsuhara, Masanori, JOSA 64: 1365, AO 13: 2886, JOSA 65: 804
- Aperiodic distributed-parameter waveguides for integrated optics (T), AO 13: 1853
- ; Kawasaki, Brian S.; Johnson, Derwyn C.: Continuous-wave fiber-optic Raman laser (A), JOSA 66: 1114
- ; Watanabe, A.: Envelope gain saturation in distributed-feedback lasers (T), AO 14: 950
- ; MacDonald, R. I.; Watanabe, A.: Evanescent-wave amplification in asymmetric slab waveguides (T), JOSA 64: 263
- ; Watanabe, A.: Gain saturation in distributed-feedback lasers (A), JOSA 64: 1365
- ; Fujii, Y.; Kawasaki, Brian S.; Johnson, Derwyn C.: Light-induced refractive index changes in Ge-doped silica fiber (A), JOSA 68: 1627
- ; Kawasaki, Brian S.; Johnson, Derwyn C.: Nonlinearities in optical fiber waveguides (A), JOSA 67: 1361
- Numerical solution of the coupled-mode equations of guided-wave optics (A), JOSA 64: 325
- Hill, L. See Authier, B., AO 18: 3081
- Hill, Lowell W. See Linford, Gary J., AO 13: 1387
- Hill, Michael L. See McMillin, Larry M., AO 18: 1600
- Hill, N. R.  
—; Ioup, G. E.: Convergence of the van Cittert iterative method of deconvolution (T), JOSA 66: 487
- Hill, R. A. See Hargis, Philip J., Jr., JOSA 65: 219; Mulac, A. J., AO 17: 2695; Sutter, L. V., AO 18: 3835
- ; Hartley, D. L.: Focused, multiple-pass cell for Raman scattering (E), AO 13: 186
- ; Hartley, D. L.: Focused multiple-pass cell for Raman scattering: reply to comment (E) (L), AO 13: 1739
- ; Mulac, A. J.; Hackett, C. E.: Retroreflecting multipass cell for Raman scattering (E), AO 16: 2004
- Hill, R. J. See Clifford, S. F., JOSA 68: 1425
- ; Clifford, S. F.: Bump in the variance of long intensity (A), JOSA 68: 539
- ; Clifford, S. F.; Lawrence, Robert S.: Contributions of water vapor absorption lines to fluctuations of infrared absorption and refractive index in atmospheric turbulence (A), JOSA 69: 1413
- ; Ochs, G. R.: Fine calibration of large-aperture optical scintillometers and an optical estimate of inner scale of turbulence (TE), AO 17: 3608
- ; Clifford, S. F.: Modified spectrum of atmospheric temperature fluctuations and its application to optical propagation (T), JOSA 68: 892
- Optical propagation in turbulent water (T), JOSA 68: 1067
- Hill, W. T. See Kowalski, F. V., OL 2: 112
- Hilleary, D. T. See Smith, W. Lee, AO 13: 499, AO 16: 306
- Hillion, P.  
Spinor representation of electromagnetic fields (T) (L), JOSA 66: 865
- Hillman, J. J. See Jennings, D. E., OL 2: 157
- ; Jennings, D. E.; Faris, J. L.: Diode laser-CO<sub>2</sub> laser heterodyne spectrometer: measurement of  $2sQ(1,1)$  in  $2v_2 - v_2$  of NH<sub>3</sub> (E), AO 18: 1808
- ; Kostiuik, Theodor; Buhl, David; Faris, J. L.; Novaco, J. C.; Mumma, M. J.: Precision measurements of NH<sub>3</sub> spectral lines near 11  $\mu$ m using the infrared heterodyne technique (E), OL 1: 81
- Hillman, Lloyd W. See Wilczynski, Janusz S., JOSA 69: 1455
- ; Stroud, Carlos R., Jr.: Optical bistable switching using frequency modulation (A), JOSA 69: 1421
- Hilz, R. L.  
—; Huppmann, G.; Cavonius, C. R.: Influence of luminance contrast on hue discrimination (E), JOSA 64: 763
- Hinchen, J. J. See Hobbs, R. H., JOSA 68: 655, JOSA 68: 1402
- Determination of vibration-rotation line strengths for HF and DF by use of an HF/DF cw laser (E), JOSA 64: 1162
- ; Freiberg, R. J.: Frequency stability associated with a cw HF laser (E), AO 15: 459
- ; Hobbs, R. H.: Pressure-broadened linewidths in the 2.5- $\mu$ m band of HF and the influence of polymer formation (E), JOSA 69: 1546
- ; Hobbs, R. H.: Vibration to rotation population transfer in HF (A), JOSA 68: 1402
- Hinchman, David E.  
Plastic optics—now and tomorrow (A), JOSA 68: 1444
- Hinds, Bobby D. See Hoidale, Glenn B., JOSA 67: 256, JOSA 67: 1689
- Hines, J. R. See Walters, Donald L., JOSA 69: 172
- Hinkley, E. David. See Ku, R. T., AO 14: 854; Margolis, Jack S., AO 17: 1680; McDowell, Robin S., OL 2: 97; Menzies, Robert T., AO 16: 523
- ; Ku, R. T.; Nill, K. W.; Butler, J. F.: Long-path monitoring: advanced instrumentation with a tunable diode laser (E) (L), AO 15: 1653
- Hinsch, K. D.  
Holographic interferometry of surface deformations of transparent fluids (E), AO 17: 3101
- Hinschelwood, D. See Murnick, D. E., JOSA 68: 649
- Hinsley, Ronald. See Eckhardt, Roger C., OL 4: 112
- Hinton, Geoffrey  
Formal Theories of Visual Perception. Edited by E. L. J. Leeuwenberg and H. F. J. Buffart (B), JOSA 69: 1492
- Hippelein, H. H. See Baluteau, J. P., AO 16: 1834
- Hiramatsu, T. See Shimodaira, M., JOSA 67: 708
- Hirano, Nobuo. See Soemarjono, Achmad, JOSA 66: 634
- Hirleman, E. Dan, Jr.  
—; Stevenson, Warren H.: Intensity distribution properties of a Gaussian laser beam focus (T), AO 17: 3496  
Laser technique for simultaneous particle-size and -velocity measurements (T), OL 3: 19
- ; Wittig, S. L. K.: Uncertainties in particle-size distributions measured with ratiotype single-particle counters (A), JOSA 66: 382
- Hirlmann, C. See Morhange, J. F., AO 15: 2969
- Hirose, K. See Tanemura, S., JOSA 67: 251
- Hirota, S.  
—; Izumitani, T.: Reflection measurements at the interface between disk laser glass and edge cladding glass (E), AO 18: 97
- Hirschberg, Joseph G. See Davidson, Joseph, AO 17: 1481
- Field-widened Michelson spectrometer with no moving parts (T) (L), AO 13: 233
- ; Cornwell, Dean F.: Field-widened Michelson spectrometer with no moving parts. Part 2 (T) (L), AO 18: 2726
- Hirschfeld, Tomas. See Caulfield, Henry John, JOSA 66: 1123, AO 16: 1181, AO 16: 1184, JOSA 67: 1130, OL 1: 56
- Automated cytology, Engineering Foundation Conference on sixth, Schloss Elmau, 23-29 April 1978 (M), AO 17: 2663
- Behavior of Felgett's advantage in multiplex spectroscopy (A), JOSA 65: 1186
- ; Block, M.; Mueller, W.: Block Engineering virometer: an optical microscopic instrument for observation, measurement, and classification of individual virions (A), JOSA 65: 1170
- Collector size or range independence of SNR in fixed-focus remote Raman spectrometry (T), AO 13: 1615
- Conventions and values for the multiplex advantage in Fourier transform spectroscopy (TE) (L), AO 16: 3070
- Effective quantum efficiency of photodetectors for photon energies much larger than threshold (L), AO 15: 305
- ; Wijntjes, G.: Fourier transform vs Hadamard transform spectroscopy: reply to comments (T) (L), AO 13: 1740
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- Multiple order spectra in Fourier transform infrared spectroscopy (T), AO 16: 1905
- New trends in the application of Fourier transform infrared spectroscopy to analytical chemistry (ET), AO 17: 1400
- Nonlinear Laser Spectroscopy. By V. S. Letokhov and V. P. Chebotayev (B), JOSA 67: 1132
- ; Caulfield, Henry John: Operations on ultrashort pulses using "flat" lenses (T), JOSA 68: 28
- Optical microscopic observation of single small molecules (E) (L), AO 15: 2965
- Optical microscopic observation of single small molecules (A), JOSA 66: 1124
- Quantum efficiency independence of the integrated emission from a fluorescent molecule (A), JOSA 66: 1064
- Quantum efficiency independence of the time integrated emission from a fluorescent molecule (TE), AO 15: 3135
- Range independence of signal in variable focus remote Raman spectrometry (TE), AO 13: 1435
- Second-order spectra in Fourier transform IR spectroscopy (A), JOSA 66: 1093
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- Hitzfelder, Stephen J.** See Kattawar, George W., AO 15: 632; Plass, Gilbert N., AO 15: 1003
- ; Plass, Gilbert N.; Kattawar, George W.: Radiation in the earth's atmosphere: its radiance, polarization, and ellipticity (T), AO 15: 2489
- Radiation transfer with polarization in the earth's atmosphere (A), JOSA 64: 1389
- Hixson, Elmer L.** See Knopp, Jerome, JOSA 66: 150
- Hjortsberg, A.** See Chen, W. P., JOSA 67: 255
- ; Chen, W. P.; Burstein, E.: Resonant internal-reflection prism spectroscopy using surface, guided and Fabry-Perot EM waves (ET), AO 17: 430
- ; Chen, W. P.; Burstein, E.: Surface, guided, and interference EM waves in attenuated internal reflection (AIR) prism spectroscopy (A), JOSA 67: 253
- Hlousek, L.** See Fairbank, W. M., Jr., JOSA 68: 1411
- Hmurcik, L. V.**
- ; Kaup, D. J.: Solitons created by chirped initial profiles in coherent pulse propagation (T), JOSA 69: 597
- ; Kaup, D. J.: Solitons created by chirped initial profiles in coherent pulse propagation (errata), JOSA 69: 1633
- Ho, C. W.**
- ; Tveten, A. B.; Chan, P. W.; She, C. Y.: Particle size measuring device in real time for dense particulate systems (E), AO 17: 631
- Ho, P. P.**
- ; Alfano, Robert R.: Direct measurement of the rotational relaxation kinetics of the plastic crystal-succinonitrile using picosecond spectroscopy (A), JOSA 68: 678
- Ho, P. S.**
- ; Marhic, M. E.; Epstein, M.: Backscattering patterns of step index optical fibers: angular width (ET), AO 14: 2598
- Ho, Pin-Chin.** See Carter, William H., AO 13: 162
- ; Carter, William H.: Structural measurement by inverse scattering in the first Born approximation (E) (L), AO 15: 313
- Ho, P.-T.**
- ; Glasser, L. A.; Ippen, E. P.; Haus, H. A.: Picosecond pulse generation with a cw GaAlAs laser diode (A), JOSA 68: 1620
- Hoag, Ethan D.** See Douglas-Hamilton, D. H., JOSA 64: 36
- ; Pease, Henry; Staal, John; Zar, Jacob: Performance characteristics of a 10-kW industrial CO<sub>2</sub> laser system (E), AO 13: 1959
- Hobbs, R. H.** See Hinchin, J. J., JOSA 68: 1402, JOSA 69: 1546
- ; Hinchin, J. J.: Laser measurements of HF linewidths (A), JOSA 68: 1402
- ; Hinchin, J. J.: Rotational population transfer in HF (A), JOSA 68: 655
- Hobbs, T. I.** See Carver, J. H., AO 17: 420
- Hochheimer, B. F.**
- Radiation pattern for a diffuse wall cavity, nonuniform in temperature and emissivity (T) (L), AO 16: 2038
- Hochheimer, H. D.**
- ; Love, W. F.; Walker, C. T.: Brillouin scattering at high pressures in molecular crystals: KCN (A), JOSA 66: 1106
- ; Shand, M. L.; Walker, C. T.: Raman scattering in NH<sub>4</sub>Cl under pressure (A), JOSA 66: 1105
- Hochstein, Shaul**
- Kinetic model for the barnacle visual pigment (A), JOSA 64: 1403
- Hochstrasser, Robin M.**
- Luminescence phenomena, organic and inorganic: the last word as of 5 Sep 1975 (N), AO 15: 1659
- Hocker, G. B.** See Burns, W. K., JOSA 67: 1393, AO 16: 2048; Butter, C. D., AO 17: 2867
- Fiber optic acoustic sensors with composite structure (A), JOSA 69: 1463
- Fiber-optic acoustic sensors with increased sensitivity by use of composite structures (E), OL 4: 320
- Fiber optic acoustic sensors with composite structure: an analysis (T), AO 18: 3679
- Fiber-optical sensing of pressure and temperature (A), JOSA 68: 1384
- Fiber-optic sensing of pressure and temperature (TE), AO 18: 1445
- ; Burns, W. K.: Mode dispersion in diffused channel waveguides by the effective index method (T), AO 16: 113
- Hocker, G. Benjamin**
- Unidirectional star coupler for single-fiber distribution systems (E), OL 1: 124
- Hocker, L. O.**
- High-resolution study of the helium-fluorine laser (E), JOSA 68: 262
- Hodge, Edwin S.**
- Alter, David, and other spectroscopists in Western Pennsylvania, AO 15: 1722
- Hodges, D. T.** See Danielewicz, Edward J., OL 4: 280; Hartwick, T. S., AO 15: 1919
- Hodgkinson, I. J.**
- ; Vukusic, J. I.: Birefringent filters for tuning flashlamp-pumped dye lasers: simplified theory and design (T), AO 17: 1944
- Fourier description of analysis and synthesis operations for a stack of thin films of equal optical thickness (T), OL 3: 133
- ; Vukusic, J. I.: Interference fringes formed by an out-of-focus Fabry-Perot etalon with point illumination (E) (L), AO 17: 2480
- Hodgson, R. T.** See Woodall, J. M., JOSA 69: 1400
- Hoegmoen, K.** See Loekberg, Ole J., AO 18: 763
- Hoegmoen, Kare**
- ; Loekberg, Ole J.: Detection and measurement of small vibrations using electronic speckle pattern interferometry (E), AO 16: 1869
- ; Pedersen, Hans M.: Measurement of small vibrations using electronic speckle pattern interferometry (T), JOSA 67: 1578
- Hoehn, Dieter H.** See Raidt, H., AO 14: 2747
- Atmospheric vision 0.35  $\mu$ m is less than or approximately equal to  $\lambda$  which is less than or approximately equal to 14  $\mu$ m (T), AO 14: 404
- Hoekstra, R.**
- ; Kamperman, T. M.; Wells, C. W.; Werner, W.: Balloon-borne ultraviolet stellar echelle spectrograph (A), JOSA 66: 1096
- ; Kamperman, T. M.; Wells, C. W.; Werner, W.: Balloon-borne ultraviolet stellar echelle spectrograph (E), AO 17: 604
- Hoell, J. M.** See Harward, Charles N., AO 18: 3978; Rogowski, R. S., AO 17: 1301
- Hoelscher, Gordon.** See Asher, Robert B., JOSA 67: 1367
- Hoenders, B. J.** See Pattanayak, D. N., JOSA 64: 527
- Reconstruction of objects from optical images and the number of degrees of freedom of an image (A), JOSA 64: 560
- Hoenig, Stuart A.**
- Keeping dust off optical components (E) (L), AO 18: 1471
- Hoff, Paul W.**
- Prospects for advanced lasers in inertial confinement fusion (A), JOSA 68: 548
- Hoff, Raymond M.** See Millan, Millan M., AO 16: 1609
- Lidar plume dispersion measurements (A), JOSA 68: 1434
- Hoffland, Lynn.** See Spears, Kenneth G., AO 16: 1172
- Hoffman, Dorothy M.**
- ; Coutts, Maurice D.: Effect of O<sub>2</sub> on the optical properties of thin rhodium films (A), JOSA 66: 163
- Hoffman, J. M.** See Gerber, Robert A., JOSA 68: 549; Hays, A. K., JOSA 66: 1099; Patterson, E. L., JOSA 68: 651
- ; Patterson, E. L.; Hays, G. N.; Tisone, G. C.; Moreno, J. B.: Energy extraction from an electron-beam-initiated HF amplifier (A), JOSA 68: 651
- Hoffman, R. A.** See Brandt, Gerald B., JOSA 65: 1222; Choyke, W. J., AO 15: 2006; Hopkins, R. H., AO 14: 2631
- Apparatus for the measurement of optical absorptivity in laser mirrors (E), AO 13: 1405
- ; Lange, W. J.; Choyke, W. J.: Ion polishing of copper: some observations (E), AO 14: 1803
- Hoffman, Robert**
- ; Gross, Leo: Modulation-contrast microscope (A), JOSA 64: 1393
- ; Gross, Leo: Modulation contrast microscope (TE), AO 14: 1169
- Hoffman, William.** See Caelli, Terry, JOSA 68: 402
- Hoffmann, V.**
- ; Toschek, P. E.: Ionic assignment of xenon laser lines (E) (L), JOSA 66: 152
- Hoffmann, William F.**
- Multiple-mirror telescope: unique technical characteristics and astronomical potential (A), JOSA 66: 1092
- Hofmann, D. J.** See Northam, G. Burton, AO 13: 2416; Pinnick, R. G., AO 15: 384; Rosen, James M., JOSA 67: 259
- Hofmann, I.** See Chattopadhyay, S., JOSA 68: 546
- Hofmann, W.**
- ; Lemke, D.; Thum, C.: Balloon-borne infrared telescope for absolute surface photometry of the night sky (E), AO 16: 3125
- Hofstadter, Robert**
- Laser-induced fusion (A), JOSA 65: 1204
- Hoge, F. E.** See Leonard, D. A., AO 18: 1732
- Integrated laser/radar satellite ranging and tracking system (E), AO 13: 2352
- Hogekamp, G.** See Shewchun, J., AO 15: 340
- Hogg, D. C.**
- Optical center of a glass corner cube: its measurement (E) (L), AO 15: 304
- Hogge, C. B.** See Avizonis, P. V., AO 14: 1911; Butts, R. R., JOSA 67: 278; Loos, G. C., AO 18: 2654
- ; Butts, R. R.; Burlakoff, M.: Characteristics of phase-aberrated nondiffraction-limited laser beams (T), AO 13: 1065
- Hogmoen, Kare.** See Lokberg, Ole J., AO 15: 2701
- Hohanzadeh, Y.** See Hamadani, S. M., JOSA 68: 544
- Hoidale, Glenn B.**
- ; Gomez, Richard B.; Hinds, Bobby D.: Occurrence of dust over selected geographical areas (A), JOSA 67: 256
- ; Hinds, Bobby D.; Gomez, Richard B.: Worldwide data on reduced visibility due to airborne dust (E) (L), JOSA 67: 1689
- Hoihjelle, D. L.** See Pinnick, R. G., JOSA 68: 540
- Hoke, Michael L.** See Wood, David R., JOSA 64: 1159
- Holah, G. D.**
- ; Morrison, N. D.; Goebel, J. G.: Low-temperature narrowbandpass mesh interference filters (E), AO 18: 3526
- ; Morrison, N. D.: Narrow-bandpass 1% interference filters for the far infrared (E), JOSA 67: 971
- Holbak, Bengt.** See Henriksen, Kjell, AO 17: 2594
- Holcomb, T. L.** See King, William B., JOSA 68: 1174
- Holden, W. S.** See Cherin, Allen H., AO 13: 2359; Personick, S. D., AO 13: 266
- ; Hubbard, W. M.; Personick, S. D.: Chromatic delay in light emitting diodes (E), AO 13: 1050
- Holje, O. M.** See Loekberg, Ole J., AO 18: 763
- Hollahan, John R.**
- ; Wydeven, Theodore J., Jr.; Johnson, Catherine C.: Combination moisture resistant and antireflection plasma polymerized thin films for optical coatings (E), AO 13: 1844
- Holland, Alfred C.** See Thomas, Robert W. L., JOSA 67: 260, AO 16: 613, AO 16: 2581
- ; Thomas, Robert W. L.; Pearce, William A.: Information content of sky intensity and polarization measurements at right angles to the solar direction (T), AO 17: 2153
- Holland, Redus F.** See Maier, William B., II, JOSA 68: 1643
- Holland, Wayne E.** See Hale, George M., JOSA 68: 1403; Jordan, Ray E., Jr., JOSA 65: 1170; Querry, Marvin R., JOSA 64: 530, AO 13: 595, JOSA 64: 39, JOSA 66: 830
- ; Querry, Marvin R.; Jordan, Ray E., Jr.; Covey, Raymond M., Jr.: Reflectance and complex refractive index of calcite and dolomite: ordinary ray (A), JOSA 65: 1170
- Hollinger, A. B.**
- ; Welsh, H. L.: High-resolution Raman spectrum of benzene vapor (A), JOSA 67: 1397
- Hollis, M. J.** See Luther-Davies, B., JOSA 68: 658
- Holloway, D. C.**
- ; Pataca, A. M.; Fourney, W. L.: Direction-sensitive displacement analysis by multiple frequency holographic interferometry (TE), AO 17: 1213
- Holloway, F.** See Blas, E. S., JOSA 68: 547; Suski, G., JOSA 68: 547
- Holloway, R. W.** See Gagnon, W. J., JOSA 68: 548
- Holly, S.** See Massie, N. A., AO 18: 1797
- Holm, C.**
- Optical thin film production with continuous reoptimization of layer thicknesses (TE), AO 18: 1978



- Holm, R. T.** See Palik, E. D., JOSA 65: 1195, JOSA 66: 1070, AO 17: 1776, AO 17: 3345
- ; Palik, E. D.; Gibson, J. W.; Braunstein, Morris; Garcia, B.: Evaluation of thin-film coatings by attenuated total reflection (A), JOSA 67: 253
- ; Palik, E. D.: Thin-film absorption coefficients by attenuated-total-reflection spectroscopy (T), AO 17: 394
- Holmes, D. A.**
- ; Avizonis, P. V.: Approximate optical system model (T), AO 15: 1075
- Holmes, Dale.** See Shellan, Jeffrey B., JOSA 69: 1466
- Holmes, David F.** See Geary, Joseph M., AO 18: 2891
- Holmes, J. E.** See Zech, R. G., JOSA 66: 1063
- Holmes, J. Fred.** See Fossey, Michael E., JOSA 66: 382; Lee, Myung Hun, JOSA 66: 180, JOSA 66: 1164, JOSA 66: 1389, JOSA 67: 1279; Pincus, Philip A., JOSA 68: 760
- ; Lee, Myung Hun: Speckle intensity crosscovariance function for two misaligned laser beams in a turbulent atmosphere (A), JOSA 69: 1412
- ; Kerr, J. Richard: Statistics of speckle propagation through the turbulent atmosphere (A), JOSA 68: 540
- Holmes, N. C.** See Auerbach, J. M., AO 18: 2495
- Holmes, Neil.** See Artusy, Max, JOSA 66: 1108
- Holmes, S. J.** See Kraatz, P., JOSA 67: 254
- Holmgren, Olof.** See Biedermann, Klaus, AO 16: 2014
- Holoubek, J.**
- Light scattering from unclad fibers: approximate ray theory of backscattered light (TE), AO 15: 2751
- Holstein, Gay R.** See Frumkes, Thomas E., JOSA 69: 1727
- Holt, Alan C.**
- ; da Silva, Anibal J.: Skylab simulator visual displays and training for joint observing programs (T), AO 16: 950
- Holton, W. C.** See Blum, F. A., JOSA 64: 1368; Watts, R. K., AO 13: 2329
- Holtz, James Z.** See Gilmartin, Thomas J., AO 13: 1906
- Holtzberg, F.** See Pohl, Dieter W., AO 14: 1060
- Holve, Don**
- ; Self, Sidney A.: Optical particle sizing for *in situ* measurements. Part 1 (T), AO 18: 1632
- ; Self, Sidney A.: Optical particle sizing for *in situ* measurements. Part 2 (E), AO 18: 1646
- Holz, Michael.** See Chen, Sow-Hsin, AO 16: 187
- ; Chen, Sow-Hsin: Rotational-translational models for interpretation of quasi-elastic light scattering spectra of motile bacteria (TE), AO 17: 3197
- ; Chen, Sow-Hsin: Structural effects in quasi-elastic light scattering from motile bacteria of *E. coli* (ET), AO 17: 1930
- ; Chen, Sow-Hsin: Tracking bacterial movements using a one-dimensional fringe system (E), OL 2: 109
- Holzer, J. A.**
- ; Gibson, F. P.; Sung, C. C.: Combined effects of atmospheric turbulence and thermal blooming on the propagation of high-power laser beams (A), JOSA 64: 1391
- ; Stettler, J. D.; Sung, C. C.: Probability density function of the intensity of light reflected from a moderately rough surface in the far field (T), AO 18: 312
- Holzrichter, J. F.** See Manes, Kenneth R., JOSA 67: 717
- Holzwarth, G.** See Chabay, Ilan, AO 14: 454
- Molecular Electro-Optics. Part 1: Theory and Methods. Edited by C. T. O'Konski (B), AO 16: 2778
- Hommert, P. J.** See Viskanta, Raymond, AO 14: 428
- Homstad, Gerald E.**
- ; Strohbehn, John W.; Berger, Roger H.; Heneghan, J. M.: Aperture-averaging effects for weak scintillations (ET), JOSA 64: 162
- Honda, K.** See Kubota, T., AO 15: 556
- Honebrink, R. W.** See Lo, D. S., JOSA 64: 1394, JOSA 66: 1084, AO 14: 820
- Hong, Chi-Shain.** See Yeh, Pochi, JOSA 67: 423
- Hong, H. Y.-P.** See Lempicki, A., JOSA 68: 630
- Hong, N. H.** See Buckman, A. B., JOSA 65: 914, JOSA 67: 1123
- Hong, N. S.**
- ; Jones, A. R.: Light scattering by particles in laser Doppler velocimeters using Mie theory (T) (L), AO 15: 2951
- Hong, Tchanghee.** See Furuya, Kazuhito, AO 17: 1949
- Hong, Yie-Ming**
- ; DeVelis, John B.: Contact-printing-loss mechanisms (A), JOSA 65: 1171
- Object encoding and decoding for spatial differentiation (A), JOSA 64: 544
- Tilted-reference-beam lateral shearing interferometer utilizing carrier-frequency photography (TE), AO 14: 614
- Honjiyo, Kazuo**
- ; Shimada, Tamotsu: Evaluation of color discrimination in the white region (A), JOSA 68: 1401
- ; Shimada, Tamotsu: Evaluation of color discrimination in the white region (E), JOSA 69: 1355
- Honma, K.** See Shimodaira, M., JOSA 67: 708
- Hood, Dan A.** See Kattawar, George W., AO 15: 1996
- Hook, W. R.** See Dishington, R. H., AO 13: 2300
- Hooker, R. Brian.** See Buchroeder, Richard A., AO 14: 2476
- Hoose, J.** See Soures, J. M., AO 13: 2081
- Hoover, R. B.** See Underwood, J. H., AO 16: 858
- Hopf, Frederic A.** See Cantrell, Cyrus D., AO 15: 1651; Moore, Gerald T., JOSA 68: 628, JOSA 68: 1387; Scully, Marlan O., JOSA 66: 1083, JOSA 66: 1109
- ; Tomita, A.; Womack, K. H.; Jewell, J. L.: Optical distortion in nonlinear phase conjugation by three-wave mixing (TE), JOSA 69: 968
- Hopkins, George W.** See Chen, Chungte William, AO 17: 1466
- Computer program based on proximate ray tracing (A), JOSA 66: 1121
- ; Shagam, Richard N.: Null Ronchi gratings from spot diagrams (ET) (L), AO 16: 2602
- Proximate ray tracing and optical aberration coefficients (T), JOSA 66: 405
- Proximate ray tracing and wave aberration coefficients (T), JOSA 66: 942
- Hopkins, H. H.** See Harris, J. S., JOSA 68: 1416, AO 18: 2372
- Diffraction theory of laser read-out systems for optical video discs (T), JOSA 69: 4
- Laser read-out systems for optical video disks (A), JOSA 68: 1428
- Hopkins, R. H.**
- ; Hoffman, R. A.; Kramer, W. E.: Moisture resistant optical films: their production and characterization (E), AO 14: 2631
- Hopkins, Robert E.**
- Lens Mechanism Technology. By D. F. Horne (B), JOSA 67: 262
- Hora, Heinrich.** See Ray, P. S., JOSA 68: 550
- Relativistic self-focusing of laser radiation in plasmas: theory (T), JOSA 65: 882
- Horak, Henry G.** See Blattner, Wolfram G., AO 13: 534
- Horan, John J.**
- AO question (L), AO 14: 2033
- ; Schwartz, Daniel S.; Love, James D.: In orbit sun calibration performance of Landsat-2 (ET) (L), AO 14: 2053
- ; Schwartz, Daniel S.; Love, James D.: Partial performance degradation of a remote sensor in a space environment, and some probable causes (ET), AO 13: 1230
- Hordvik, Audun.** See Martin, J. J., JOSA 67: 253
- ; Sackett, Philip B.: Characteristics of the optical parametric oscillator and its use for selective excitation (E), AO 13: 1060
- Measurement techniques for small absorption coefficients: recent advances (R), AO 16: 2827
- ; Schlossberg, H.: Opto-acoustic technique for measuring the optical absorption coefficient in solids (A), JOSA 65: 1165
- ; Skolnik, Lyn H.: Photoacoustic measurements of surface and bulk absorption in HF/DF laser window materials (ET), AO 16: 2919
- ; Schlossberg, H.: Photoacoustic technique for determining optical absorption coefficients in solids (E), AO 16: 101
- Photoacoustic technique for measuring surface absorption (A), JOSA 66: 1105
- Recent advances in measurement techniques for small absorption coefficients (A), JOSA 67: 252
- ; Skolnik, Lyn H.: Surface and bulk absorption in HF/DF laser window materials (A), JOSA 67: 253
- Horiba, Atsushi.** See Gamo, Hideya, JOSA 67: 1441
- Horiguchi, M.**
- ; Ohmori, Yutaka; Miya, T.: Evaluation of material dispersion using a nanosecond optical pulse radiator (E), AO 18: 2223
- ; Kawachi, M.: Measurement technique of OH-ion distribution profile in rod preform of silica-based optical fiber waveguides (E), AO 17: 2570
- Horiguchi, Tsuneo.** See Tateda, Mitsuhiro, AO 18: 3272
- Horman, Melvin H.**
- Temperature analysis from multispectral infrared data (T), AO 15: 2099
- Horn, Berthold K. P.**
- ; Sjöberg, Robert W.: Calculating the reflectance map (T), AO 18: 1770
- Horne, E. P.**
- ; Turnbull, Carl E.: Perception and estimation of dot frequency (A), JOSA 68: 1414
- ; Turnbull, Carl E.: Variables in the estimation of dot frequency (A), JOSA 64: 1400
- Horner, Joseph L.**
- Additional property of interferometer symmetry (T) (L), AO 17: 505
- Analog visibility computer (E), AO 15: 999
- Atmospheric visibility measurement by a modulated cw lidar: comments (T) (L), AO 16: 1128
- Coherent optical noise suppression device (ET), AO 13: 2244
- Hornkohl, J. O.** See Farmer, W. Michael, JOSA 67: 258
- Horowitz, Deane.** See Feldman, Albert, JOSA 67: 254, AO 16: 2925; Waxler, Roy M., AO 16: 20, AO 18: 101
- ; Waxler, Roy M.; Feldman, Albert: Measurement of the stress-optic effect on the infrared on laser materials (A), JOSA 64: 535
- Horsley, J. A.** See Kaldor, Andrew, JOSA 68: 684
- Horton, R. F.** See Curcio, J. A., JOSA 68: 541
- ; Curcio, J. A.; Cosden, T. A.: Optics for a 5 km DF laser extinction experiment (A), JOSA 65: 1202
- Optics for laser-calibrated high-resolution atmospheric transmission studies (A), JOSA 66: 1087
- Horton, T. E.** See McDermit, J. H., JOSA 64: 1357, JOSA 64: 1357, AO 13: 1444
- Horvath, H.**
- ; Presle, G.: Determination of the atmospheric extinction coefficient by measurement of distant contrasts (E) (L), AO 17: 1303
- Horwitz, Bruce A.**
- ; MacGovern, Alan J.; Bennett, Victor P.: High-speed interferometric wave front sensor (A), JOSA 69: 1455
- Phase image differentiation with linear intensity output (T), AO 17: 181
- Horwitz, Chris M.**
- ; McPhedran, R. C.; Beunen, J. A.: Interference and diffraction in globular metal films (ET), JOSA 68: 1023
- Refractive index determination using reflectance extrema (T), AO 17: 1771
- Solar-selective globular metal films (ET), JOSA 68: 1032
- Horwitz, James W.**
- ; van Vranken, Randy C.: Ray tracing and throughput calculations for spectrometers (A), JOSA 69: 1456
- Horwitz, L.** See Bridges, William B., JOSA 64: 541
- Horwitz, Paul**
- Modes in misaligned unstable resonators (T), AO 15: 167
- Hosch, J. W.**
- ; Walters, J. P.: High spatial resolution schlieren photography (E), AO 16: 473
- Hoshikawa, M.** See Uchida, Naoya, JOSA 67: 707
- Hosoya, H.** See Takahashi, Hidetoshi, OL 4: 24
- Hotate, Kazuo.** See Okoshi, Takanori, AO 14: 3078, AO 15: 2756
- ; Okoshi, Takanori: Measurement of refractive-index profile and transmission characteristics of a single-mode optical fiber from its exit-radiation pattern (ET), AO 18: 3265
- Hou, H. Steven**
- ; Andrews, Harry C.: Fundamental limits and degrees of freedom of imaging systems (A), JOSA 66: 168
- Method for optimized design of dielectric multilayer filters (T), AO 13: 1863
- Hou, T. W.**
- ; Chang, M. S.: Morphologic evaluation of resolution in amorphous chalcogenide inorganic photoresists (ET), AO 18: 1753
- Houck, James R.**
- Fourier-transform spectroscopy in astronomy (A), JOSA 64: 1357



- Progress in far-infrared and submillimeter astronomy (A), JOSA 67: 1430
- Hougen, Jon T.** See Evenson, Kenneth M., JOSA 67: 1387
- High resolution molecular spectroscopy, 2nd All-Union Symposium, Novosibirsk, 11-13 Sep 1974 (M), AO 14: 8
- Theory of Rotating Diatomic Molecules. By M. Mizushima (B), AO 15: 564
- Hough, Joseph J. T.** See Kerber, R. L., AO 17: 2369
- ; Kerber, R. L.: Effect of cavity transients and rotational relaxation on the performance of pulsed HF chemical lasers: a theoretical investigation (T), AO 14: 2960
- Efficient model for HF lasers with rotational nonequilibrium (T), OL 3: 223
- Lorentz broadening in the modeling of the HF chemical laser (R), AO 16: 2297
- Houghton, J. T.** See Taylor, F. W., AO 18: 3893
- Calibration of infrared instruments for the remote sounding of atmospheric temperature (E), AO 16: 319
- Calibration of satellite radiation instruments, AO 16: 295
- Observation of atmospheric parameters from satellites (A), JOSA 64: 550
- Houlihan, T.** See Davidson, K. L., JOSA 68: 539; Schacher, G., JOSA 68: 539
- ; Schacher, G.; Davidson, K. L.; Fairall, C. W.: Observational results on marine fog related variation of small-scale turbulence parameters ( $C_T^2$  and  $\epsilon$ ) (A), JOSA 68: 539
- House, R. A., II.** See Bettis, J. R., JOSA 66: 383, OL 4: 256
- ; Bettis, J. R.; Guenther, Arthur H.: Efficacy of ion polishing optical surfaces (E) (L), AO 16: 1486
- ; Bettis, J. R.; Guenther, Arthur H.: Ultrasonic cleaning and laser surface damage threshold (E) (L), AO 16: 1130
- Houston, J. D.**
- ; Carswell, A. I.: Four-component polarization measurement of lidar atmospheric scattering (E), AO 17: 614
- Houston, Joseph B., Jr.**
- Light in the Sea. By John E. Tyler (B), AO 17: 2470
- Houston, Karen L.** See McCann, John J., JOSA 69: 1452
- Hovanesian, J. D.** See Hung, Y. Y., JOSA 68: 1391, AO 16: 1717, AO 17: 128
- ; Hung, Y. Y.; Tafraian, M.; Taylor, C. E.; Turner, J. L.: Optical method for measuring contour slopes of an object (A), JOSA 65: 1187
- Hovel, H. J.** See Woodall, J. M., JOSA 69: 1400
- Hovingh, J.** See Maniscalco, James A., JOSA 68: 546
- Howard, Carleton J.** See Evenson, Kenneth M., JOSA 67: 1387
- Howard, J. C.**
- Atomic Physics and Astrophysics—Volume 2. Edited by M. Chretien and E. Lipworth (B), JOSA 64: 1728
- Howard, James E.** See Brueckner, Keith A., AO 14: 1274
- Imaging properties of off-axis parabolic mirrors (T), AO 18: 2714
- Uniform illumination of spherical laser fusion targets (T), AO 16: 2764
- Howard, John N.**
- Annual Reports on Analytical Atomic Spectroscopy 1974, Volume 4, published by the Chemical Society (B), AO 16: A11
- Annual Reports on Analytical Atomic Spectroscopy, Volume 6: Reviewing. Edited by C. Woodward 1976 (B), AO 17: 846
- Annual Reports on Analytical Atomic Spectroscopy, Volume 7. Edited by J. B. Dawson (B), AO 18: 3359
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- Applied Optics summary Volume 16 (N), AO 17: A65
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- Energy, AO 15: A147
- English language (N), AO 14: A37
- English spelling problems (N), AO 17: A215
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- Flying Circus of Physics, with Answers; 2nd Edition. By Jearl Walker (B), AO 17: 1479
- From the Editor (N), AO 14: A11, AO 13: A11, AO 14: A37, AO 14: A63, AO 14: A89, AO 14: A115, AO 14: A139, AO 14: A155, AO 14: A171, AO 14: A185, AO 14: A197, AO 14: A221, AO 14: A241, AO 15: A11, AO 15: A27, AO 15: A39, AO 15: A57, AO 15: A73, AO 15: A87, AO 15: A111, AO 15: A159, AO 16: A11, AO 16: A25, AO 16: A37, AO 16: A49, AO 16: A67, AO 16: A79, AO 16: A97, AO 16: A110, AO 16: A125, AO 16: A141, AO 16: A155, AO 16: A173, AO 17: A41, AO 17: A99, AO 17: A131, AO 17: A263, AO 17: A282, AO 18: A15, AO 18: A39, AO 18: A63, AO 18: A85, AO 18: 3071, AO 18: 3359, AO 18: A105, AO 18: A132, AO 18: A151, AO 18: A171, AO 18: A237, AO 18: A257
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- Parasciences (N), AO 17: A15
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- Present status of adoption in the United States (N), AO 17: A65
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- Howarth, David E.** See Mrdjen, Peter, JOSA 66: 379
- Howarth, L. E.** See Hackett, W. H., Jr., JOSA 67: 709
- Howe, Donald J.**
- Simple piezoelectric knife-edge scanner (A), JOSA 69: 1418
- Howe, William G.** See Rich, Ruth M., JOSA 65: 956, JOSA 65: 1389
- Howell, Barton J.**
- Measurement of the polarization effects of an instrument using partially polarized light (T), AO 18: 809
- Polarization of an instrument measured with partially polarized light (A), JOSA 68: 1426



- Skew-ray tracing of truncated-pyramid light pipes (A), JOSA 64: 564
- Howell, H. B.** See Smith, W. Lee, AO 13: 499, AO 16: 306
- Howland, Bradford.** See Howland, Howard C., JOSA 64: 240, JOSA 67: 1508; Trudeau, Norman R., JOSA 66: 1095
- Electronic aberration synthesizer for measurements of the eye (A), JOSA 66: 1121
- Improved light diffuser based on the Kallioscope effect (E) (L), AO 17: 1307
- ; Howland, Howard C.: Subjective method for the determination of aberrations of the eye (A), JOSA 64: 554
- Vernier sharpness gauge for rapid camera lens evaluation (A), JOSA 68: 1417
- Howland, Howard C.** See Howland, Bradford, JOSA 64: 554
- ; Atkinson, Janette; Braddick, Oliver: Method of photographic refraction of the eye (A), JOSA 69: 1486
- ; Roehler, R.: Photographic measurement of linespread of human eye (A), JOSA 67: 1407
- ; Howland, Bradford: Photorefractive: a technique for study of refractive state at a distance (ET), JOSA 64: 240
- ; Howland, Bradford: Subjective method for the measurement of monochromatic aberrations of the eye (E), JOSA 67: 1508
- Howland, M. M.** See Gagnon, W. J., JOSA 68: 548
- Hoyt, Douglas V.**
- Apparent atmospheric transmission using the pyrheliometric ratioing technique (T) (L), AO 18: 2530
- Hradaynath, R.** See Chopra, K. N., AO 18: 1750, AO 18: 3077; Mehta, P. C., AO 18: 2394
- ; Chopra, K. N.; Grover, O. P.: Homogeneously mixed dielectric films as double-layer antireflection coatings (E), AO 18: 328
- Hrbek, George W.**
- Low-cost TV recording techniques—optical vs non-optical (A), JOSA 64: 542
- Hrubesh, L. W.** See Rinehart, E. A., JOSA 66: 78
- Hsia, J.** See Mangano, J. A., JOSA 68: 548
- Hsia, Jack J.** See Weidner, Victor R., JOSA 69: 1427, AO 18: 1619
- Hsiao, Stephen S.** See Leib, Kenneth G., AO 17: 2892
- ; Wohlers, Martin Ron: Matched filter processing of raster-scanned images: analysis (T), AO 15: 2391
- Nonlinearly recorded matched filter: a technique to reduce the false alarm rate (T), AO 16: 1166
- Hsieh, C. T.**
- ; Foltz, N. D.; Cho, C. W.: Production of the stimulated Raman lines in  $H_2$  gas with a focused laser beam (ET), JOSA 64: 202
- Hsieh, J. J.** See Shen, C. C., JOSA 67: 708
- Room-temperature operation of GaInAsP/InP double-heterostructure diode lasers emitting at  $1.1 \mu m$  (A), JOSA 66: 288
- Hsieh, K. C.**
- ; Keppler, E.; Schmidtke, G.: Forward photoemission from thin carbon foils (E) (L), AO 18: 3732
- Hsing, To R.** See Poularikas, A. D., JOSA 65: 1186
- ; Poularikas, A. D.: System model analysis of electro-optical systems (A), JOSA 69: 1466
- Hsing, W. W.** See Mosher, D., JOSA 68: 545
- Hsu, D. S. Y.**
- ; Manuccia, T. J.: Hydrogen-deuterium separation using cw  $CO_2$  laser-induced vibrational photochemistry of methane (A), JOSA 68: 1641
- Hsu, H. P.**
- ; Milton, A. F.: Mode liftoff using a branching dielectric waveguide (A), JOSA 66: 289
- ; Milton, A. F.: Single mode optical fiber pickoff coupler (E) (L), AO 15: 2310
- Hsu, Hsiung**
- Large-signal theory of nonlinear conjugate wave backscatterings (A), JOSA 68: 1628
- Hsu, T. Y.**
- ; Tsai, T. L.; Tuan, H. S.: Scattering of optical surface waves by a covered groove (T), AO 16: 1543
- Hsueh, C. K.**
- ; Sawchuk, A. A.: Computer-generated double-phase holograms, (T), AO 17: 3874
- Hu, C. P.**
- ; Turner, J. L.; Taylor, C. E.: Holographic interferometry: compensation for rigid body motion (ET), AO 15: 1558
- Hu, Chenming**
- ; Whinnery, John R.: Losses of a nematic liquid-crystal optical waveguide (TE), JOSA 64: 1424
- Hu, Erh-Wen.** See Bergstein, Leonard, JOSA 65: 1208, JOSA 66: 1096
- ; Bergstein, Leonard: Solution of optical waveguide discontinuity problems (A), JOSA 66: 1102
- Hu, Patrick C.** See Zweig, Hans J., JOSA 65: 1203, JOSA 66: 167, JOSA 65: 1347
- ; Gibbs, H. M.: Picosecond photon echoes and self-induced transparency in Na (A), JOSA 68: 1630
- Hua, Chon Trung.** See Rassigni, Monique, OL 1: 126
- Huang, Alan**
- Optical arithmetic unit (A), JOSA 67: 1383
- ; Tsunoda, Yoshito; Goodman, Joseph W.; Ishihara, Satoshi: Optical computation using residue arithmetic (T), AO 18: 149
- Huang, Cheng-Chung**
- Dual Bragg cell local oscillator generator for laser heterodyne radar systems (A), JOSA 66: 380
- Huang, C.-Y.** See Allen, L., JOSA 67: 1391
- ; Reece, C.; Mandel, Leonard: Effect of cavity length on the intensity fluctuations of a laser (A), JOSA 69: 1430
- Huang, Shiezen.** See Peck, Edson R., JOSA 67: 1350
- Huang, Thomas S.** See Burnett, James W., JOSA 68: 157
- ; Narendra, P. M.: Image restoration by singular value decomposition (E), AO 14: 2213
- ; Kaveh, M.; Berger, S. P.: Iterative image restoration by the projection method (A), JOSA 65: 1203
- ; Barker, D. A.; Berger, S. P.: Iterative image restoration (E), AO 14: 1165
- Restoring images with shift-varying degradations (A), JOSA 66: 172
- Huard, S.**
- Spin angular momentum of a field interacting with a plane interface (A), JOSA 69: 1485
- Hubbard, W. M.** See Holden, W. S., AO 13: 1050; Personick, S. D., AO 13: 266
- Hubbell, H. H., Jr.** See Birkhoff, R. D., JOSA 67: 564
- Hubby, L. M., Jr.** See Cook, William R., Jr., JOSA 66: 72
- Hubel, David H.**
- Architecture of primary visual cortex in monkey (A), JOSA 65: 1216
- Huber, D. R.**
- ; Adams, B. E.; Clegg, J. C.: Wide-band frequency-modulation system using optical techniques (ET), AO 18: 1249
- Huber, G.**
- ; Danielmeyer, H. G.: Miniature of  $Nd^{3+}$  lasers and  $1.3 \mu m$  (A), JOSA 68: 631
- Huber, J.** See Chen, Di, JOSA 67: 1393
- Huber, Martin C. E.** See Reeves, E. M., AO 16: 837, AO 16: 849; Tondello, Giuseppe, JOSA 68: 1431
- ; Tondello, Giuseppe: Refractive index of He in the region 920–1910 Å (E), JOSA 64: 390
- ; Tondello, Giuseppe: Stigmatic performance of an XUV spectrograph with a single toroidal grating (T), AO 18: 3948
- Hubert, L.** See Carel, C., AO 16: 1275
- Huberty, Susan.** See Bergsten, Ronald, JOSA 67: 643
- Huchital, D. A.**
- ; Steinberg, G. N.: Krypton-pumped YAG laser for optical communications (A), JOSA 66: 384
- Huck, Fred O.** See Burcher, E. E., AO 17: 2130; Park, Stephen K., AO 16: 3107
- ; Wall, S. D.: Image quality prediction: an aid to the Viking Lander imaging investigation on Mars (TE), AO 15: 1748
- Imaging on Mars: from concept to reality (A), JOSA 67: 1414
- ; Park, Stephen K.: Optical-mechanical line-scan imaging process: its information capacity and efficiency (T), AO 14: 2508
- ; Arvidson, R. E.; Burcher, E. E.; Giat, O.; Wall, S. D.: Quasi-microscope concept for planetary missions (E), AO 16: 2454
- Hudgens, J. D.** See King, William B., JOSA 69: 1439
- Hudgin, Richard H.**
- Estimation and optimization in adaptive optics (A), JOSA 68: 1398
- Optimal wave-front estimation, JOSA 67: 378
- Wavefront compensation error due to finite corrector-element size (A), JOSA 65: 1211
- Wave-front compensation error due to finite corrector-element size (T), JOSA 67: 393
- Wave-front reconstruction for compensated imaging (T), JOSA 67: 375
- Hudson, Marshall C.**
- Calculation of the maximum optical coupling efficiency into multimode optical waveguides (T), AO 13: 1029
- ; Thiel, Frank L.: Star coupler: a unique interconnection component for multimode optical waveguide communications systems (E), AO 13: 2540
- Hudson, R.** See McIlrath, Thomas J., AO 18: 316
- Huen, Tony**
- Reflectance of thinly oxidized silicon at normal incidence (T), AO 18: 1927
- Huestis, D. L.** See Margevicius, J. A., JOSA 68: 705
- Huff, Howard R.**
- Electrochemical Society, 143rd meeting, electronics division, Chicago, 13–18 May 1973 (M), AO 13: 227
- Huffaker, R. M.** See Lawrence, T. R., JOSA 68: 1430
- ; Mandics, P. A.: Analysis for pulsed coherent lidar system performance (A), JOSA 68: 541
- Huffer, W.** See Brinkmann, U., JOSA 68: 1624
- Huffman, Donald R.** See Perry, Roger J., AO 17: 2700; Steyer, T. R., AO 13: 1586
- Huffman, R. E.** See Palenius, Hans P., JOSA 68: 1564
- Hug, W. F.**
- ; Hains, C. M.; Marlett, C. J.: Spectra of alkali metal vapor and noble gas flashlamps (E), JOSA 68: 62
- Hughes, F. R.** See O'Brien, J. T., JOSA 66: 383
- Hughes, G. F.**
- Magnetism and magnetic materials, 20th annual conference, San Francisco, 3–6 Dec 1974 (M), AO 14: 554
- Hughes, H. G.** See Feinberg, R., AO 18: 2532
- ; Jensen, D. R.: Extinction of IR wavelengths by aerosols in coastal fog (ET) (L), AO 17: 2138
- ; Jensen, D. R.: Extinction of IR wavelengths by aerosols in coastal fog (errata), AO 17: 3339
- Visibility dependence on scaling laws relating aerosol extinctions at different optical wavelengths (A), JOSA 68: 540
- Hughes, J. L.** See Boreham, B. W., JOSA 68: 698; Luther-Davies, B., JOSA 68: 658
- ; Ghatak, A. K.: Phased-array optical scanning (L), AO 18: 2098
- Hughes, R. S.** See Hutcheson, Lynn D., AO 13: 1395
- Hughes, William M.**
- ; Shannon, John; Hunter, Robert; Kolb, Alan: Efficient high-power Xe and Xe-rare-gas-mixture lasers (A), JOSA 64: 557
- ; Shannon, John; Hunter, Robert; Kolb, Alan: 126.1-nm molecular-argon laser (A), JOSA 64: 557
- Hugonin, Jean-Paul.** See Chavel, Pierre, JOSA 66: 989
- Hugues E.** See Haisma, J., OL 4: 70
- Huhns, Michael N.**
- Optimum restoration of coded and transmitted images (A), JOSA 66: 173
- Huignard, J. P.** See d'Auria, L., AO 13: 808; Herriau, J. P., AO 17: 1851
- ; Herriau, J. P.; Micheron, F.: Image storage display and processing in photosensitive electro-optic crystals— $LiNbO_3:Fe$  (A), JOSA 66: 389
- ; Herriau, J. P.; Aubourg, P.; Spitz, E.: Phase-conjugate wavefront generation via real-time holography in  $Bi_{12}SiO_{20}$  crystals (E), OL 4: 21
- ; Herriau, J. P.: Real-time coherent object edge reconstruction with  $Bi_{12}SiO_{20}$  crystals (E) (L), AO 17: 2671
- ; Herriau, J. P.: Real-time double-exposure interferometry with  $Bi_{12}SiO_{20}$  crystals in transverse electrooptic configuration (E) (L), AO 16: 1807
- ; Herriau, J. P.; Valentin, T.: Time average holographic interferometry with photoconductive electrooptic  $Bi_{12}SiO_{20}$  crystals (E) (L), AO 16: 2796
- Huizinga, Martin.** See Dunipace, D. W., AO 13: 2723
- Hulse, W. C.** See Blanchard, A. J., JOSA 66: 386, JOSA 66: 386
- Humphrey, L. M.**
- ; Liao, P. F.: Line shape and amplitude of Doppler-free spectra obtained by degenerate four-wave mixing in Na vapor (A), JOSA 69: 1475
- Humphreys, Curtis J.** See Li, Hui H., JOSA 64: 1072



- Humphreys, Terry J.** See Kattawar, George W., AO 15: 273; Plass, Gilbert N., AO 17: 1432
- Humphries, Howard P.** See Kulpa, Stanley M., JOSA 66: 1094
- Humphries, S., Jr.** See Greenspan, M., JOSA 68: 545
- Intense pulsed linear ion accelerators for inertial fusion (A), JOSA 68: 546
- Hunderi, O.**  
Rotating depolarizer ellipsometry (E), AO 16: 3012
- Hung, Y. Y.** See Hovanesian, J. D., JOSA 65: 1187
- ; Liang, C. Y.: Image-shearing camera for direct measurement of surface strains (ET), AO 18: 1046
- ; Turner, J. L.; Tafraian, M.; Hovanesian, J. D.; Taylor, C. E.: Optical method for measuring contour slopes of an object (ET), AO 17: 128
- ; Rowlands, R. E.; Daniel, I. M.:  
Speckle-shearing interferometric technique: a full-field strain gauge (ET), AO 14: 618
- ; Hovanesian, J. D.: Surface slopes measurement by a multi-source shearing interferometry (A), JOSA 68: 1391
- ; Liang, C. Y.; Hovanesian, J. D.; Durelli, A. J.: Time-averaged shadow-moire method for studying vibrations (ET), AO 16: 1717
- Hunneman, R.** See Evans, C. S., AO 15: 2736; Seeley, J. S., AO 18: 3368, AO 18: 3370
- Hunsperger, R. G.** See Somekh, S., AO 13: 327
- ; Lee, A.; Yariv, Amnon: Parallel end-butt coupling for optical integrated circuits (TE), AO 16: 1026
- ; Lee, A.: Parallel end-butt coupling of a GaAs laser diode and a thin-film waveguide (A), JOSA 66: 292
- Hunt, Arlon J.** See Perry, Roger J., AO 17: 2700
- Hunt, E. R.** See Cannon, T. M., AO 17: 3384; Granrath, D. J., AO 18: 36; Trussell, H. J., JOSA 66: 1111
- Computers and images (A), JOSA 66: 167
- Detection and estimation in image processing (A), JOSA 68: 1398
- Digital Image Processing. By W. K. Pratt (B), AO 17: 3509
- Human visual system models in image quality measures (A), JOSA 66: 1090
- Matrix formulation of the reconstruction of phase values from phase differences (T), JOSA 69: 393
- Optical computing for image bandwidth compression: analysis and simulation (TE), AO 17: 2944
- Hunt, J. T.** See Auerbach, J. M., AO 18: 2495; Simmons, W. W., AO 17: 999
- ; Renard, P. A.; Nelson, R. G.: Focusing properties of an aberrated laser beam (T), AO 15: 1458
- ; Renard, P. A.; Simmons, W. W.: Improved performance of fusion lasers using the imaging properties of multiple spatial filters (TE) (L), AO 16: 779
- ; Glaze, James A.; Simmons, W. W.; Renard, P. A.: Suppression of self-focusing through low-pass spatial filtering and relay imaging (T), AO 17: 2053
- ; Campbell, E. M.; Rainer, Frank: Two-beam Argus performance at 5 TW (A), JOSA 68: 542
- Hunten, Donald M.**  
—; Stump, C. J., Jr.: Performance of a silicon vidicon at low signal levels (E), AO 15: 3105
- ; Nelson, B. E.; Stump, C. J., Jr.: Slow-scan television system (E), AO 15: 2264
- Hunter, Allen M., II**  
—; Schreiber, Paul W.: Determination of refractive index in inhomogeneous axisymmetric media from refraction angle measurements (T) (L), AO 14: 25
- ; Schreiber, Paul W.: Mach-Zehnder data reduction method for refractively inhomogeneous test objects (T), AO 14: 634
- Mach-Zehnder data reduction method for refractively inhomogeneous test objects: reply to comments (T) (L), AO 14: 2336
- Hunter, Richard S.**  
Measurement of gloss (A), JOSA 69: 1403
- Hunter, Robert.** See Hughes, William M., JOSA 64: 557; JOSA 64: 557
- Hunter, W. R.** See Bartoe, John-David F., JOSA 64: 1371; Cox, J. Thomas, AO 14: 1247; JOSA 64: 423; Hass, Georg, JOSA 64: 1383; JOSA 67: 1412, AO 17: 76, AO 17: 2310; Michels, Donald J., AO 13: 1223; Nevire, Michel, JOSA 67: 1438, JOSA 68: 1106; Osantowski, John F., JOSA 64: 1383; Schumacher, R. J., AO 16: 904
- ; Chaimson, R. K.: Adjustable aperture stop to control the divergence and orientation of the beam emerging from a vacuum ultraviolet monochromator (E), AO 13: 2913
- ; Hutley, M. C.; Stuart, P. R.; Rudolph, D.; Schmahl, G.: Comparison of the efficiency of a conventional diffraction grating with the efficiencies of blazed laminar holographic gratings in the vacuum ultraviolet spectral region (A), JOSA 66: 1136
- Design criteria for reflection polarizers and analyzers in the vacuum ultraviolet (T), AO 17: 1259
- Detection and Spectrometry of Faint Light. By John Meaburn (B), AO 16: 1455
- Diffraction gratings, U.S.-Japan seminar, Washington, D.C., 14-17 Oct 1975 (M), AO 15: 1365
- ; Angel, D. W.: Effect of diffusion-pump oil contamination on diffraction grating efficiency in the vacuum ultraviolet spectral region (A), JOSA 69: 1438
- ; Angel, D. W.: Effect of diffusion pump oil contamination on diffraction grating efficiency in the VUV spectral region (E), AO 18: 3506
- Efficient Use of Energy: APS Studies on the Technical Aspects of the More Efficient Use of Energy. AIP Conference Proceedings No. 25 (B), AO 17: 1157
- Electronic imaging, an international symposium, Royal Society of London, 11-13 Sep 1978 (M), AO 17: 3710
- ; Prinz, D. K.: Measuring concave diffraction grating efficiencies at grazing incidence (A), JOSA 67: 1439
- ; Prinz, D. K.: Measuring concave diffraction grating efficiencies at grazing incidence (T), AO 16: 3171
- Optical contamination: its prevention in the XUV spectrographs flown by the U.S. Naval Research Laboratory in the Apollo Telescope Mount (R), AO 16: 909
- ; Angel, D. W.; Hass, Georg: Optical properties of evaporated films of ZnS in the vacuum ultraviolet from 160 to 2000 Å (E), JOSA 68: 1319
- ; Angel, D. W.: Optical properties of evaporated platinum films in the vacuum ultraviolet from 2200 Å to 150 Å (E), JOSA 69: 1695
- Optical Properties of Solids: New Developments. Edited by B. O. Seraphin (B), AO 15: 2602
- Optics. By W. T. Welford (B), AO 16: 535
- Optics of Nonimaging Concentrators. By W. T. Welford and R. Winston (B), AO 18: 1127
- Physics of Thin Films. By Ludmila Eckertova (B), AO 17: 2860
- ; Michels, Donald J.; Mangus, J. D.; Bach, B. W.: Replication of Wolter-lens components (A), JOSA 67: 1378
- Solar Heated Buildings of North America: 120 Outstanding Examples. By William A. Shurcliff (B), AO 18: 146
- Solar radiation seminar, Naval Research Laboratory, 16 May 1978 (M), AO 17: 2263
- Some Aspects of Vacuum Ultraviolet Radiation Physics. Edited by N. Damany, B. Vodar, and J. Romand (B), AO 15: 1666
- Synchrotron Radiation: Techniques and Applications. Edited by C. Kunz (B), AO 18: 3079
- ; Hass, Georg: Thickness of absorbing films necessary to measure their optical constants using the reflectance vs angle of incidence method (E), JOSA 64: 429
- Vacuum ultraviolet radiation physics, fifth international conference, Montpellier, 5-9 Sep 1977 (M), AO 17: 1660
- Vacuum Ultraviolet Radiation Physics—Proceedings of the IV International Conference on Vacuum Ultraviolet Radiation Physics, Hamburg, 22-26 July 1974. Edited by E. E. Koch, R. Haensel, and C. Kunz (B), JOSA 66: 397
- Hunter, William Ralph**  
Effects of detector nonlinearity on calibration and data reduction of rotating-analyzer ellipsometers (TE), JOSA 66: 94
- Huppi, E. R.**  
—; Rogers, J. W.; Stair, A. T., Jr.: Aircraft observations of the infrared emission of the atmosphere in the 700-2800-cm<sup>-1</sup> region (ET), AO 13: 1466
- Huppi, Ronald J.**  
—; Stair, A. T., Jr.: Aurorally enhanced infrared emissions (E), AO 18: 3394
- Huppler, D. A.** See Fonck, R. J., AO 17: 1739
- Huppman, G.** See Hiltz, R. L., JOSA 64: 763
- Hurd, B. G.** See Bruce, Charles W., AO 15: 2970
- Hurditch, R. J.** See Burgess, J. W., AO 15: 1550
- Hurley, C. A.** See Linford, Gary J., JOSA 68: 548
- Hursey, K. H.** See Costley, A. E., JOSA 67: 979
- Hurst, G. S.** See Kramer, S. D., JOSA 68: 657, OL 3: 16
- Hurvich, Leo M.**  
—; Jameson, Dorothea: Influences of size, shape, retinal locus, and field structure on perceived color (A), JOSA 69: 1417
- Husain, J.**  
New sensitive method of radioactive dating (A), JOSA 68: 1445
- Hutcheson, L. D.** See White, Ian A., AO 18: 2362
- Hutcheson, Lynn D.**  
—; Hughes, R. S.: Rapid acoustooptic tuning of a dye laser (ET), AO 13: 1395
- Hutchinson, D. P.** See Vander Sluis, K. L., JOSA 67: 1404
- ; Vander Sluis, K. L.: Injection tuning of a pulsed TEA CO<sub>2</sub> laser (E) (L), AO 16: 293
- Hutchinson, Henry**  
Excimer Lasers. Edited by C. K. Rhodes (B), AO 18: 4151
- Hutchinson, M. H. R.** See Bradley, D. J., JOSA 68: 702
- Noble gas hydroxide exciplexes (A), JOSA 68: 715
- Hutley, M. C.** See Hunter, W. R., JOSA 66: 1136; Stuart, P. R., AO 15: 2618
- Hutton, Gary**  
Fast-Fourier-transform holography: recent results (TE), OL 3: 30
- Hutzler, Peter J. S.**  
Spatial frequency filtering and its application to microscopy (ET), AO 16: 2264
- Hyde, M. E.** See Stotts, L. B., AO 18: 978
- Hyde, W. Lewis**  
Draper, John William, 1811-1882  
photographic scientist, AO 15: 1726
- Early American Science. Edited by Brooke Hindle (B), JOSA 67: 416
- Fiber Optics. By M. P. Lisitsa, L. I. Berezinskii, and M. Ya. Valakh (B), AO 13: 213
- Great Foucault pendulum caper (N), AO 16: 783
- Microscopy of Materials. By D. K. Bowen and C. R. Hall (B), JOSA 66: 637
- Hyer, R. C.** See Campillo, A. J., OL 4: 325, OL 4: 357
- Hyman, Edward.** See Harrison, Robert E., AO 18: 823
- Hyrley, C. A.**  
—; McFann, B. V., Jr.; Kowalksie, B. J.; Myall, J. O.: Shiva mechanical systems (A), JOSA 68: 548
- Hyslop, D. M.** See Thompson, J. E., JOSA 68: 1396
- Hyslop, W. F.** See O'Brien, R. N., AO 15: 2963
- Icenogle, H. W.** See Platt, Ben C., JOSA 65: 1264
- ; Platt, Ben C.; Wolfe, William L.: Refractive indexes and temperature coefficients of germanium and silicon (E), AO 15: 2348
- Ichimura, K.** See Sakai, K., AO 17: 1709
- Ichioke, Yoshiaki.** See Kondo, K., AO 16: 2554; Tokumitsu, J., AO 17: 2655
- ; Yamamoto, Koichi; Suzuki, Tatsuro: Defocused image of a periodic complex object in an optical system under partially coherent illumination (T), JOSA 66: 932
- Digital image processing and image synthesis in Japan (A), JOSA 66: 172
- Image formation of partially coherent diffuse object (T), JOSA 64: 919
- ; Suzuki, Tatsuro: Image of a periodic complex object in an optical system under partially coherent illumination (T), JOSA 66: 921
- ; Yamamoto, Koichi; Suzuki, Tatsuro: Image of a sinusoidal complex object in a partially coherent optical system (T), JOSA 65: 892
- ; Itoh, K.; Suzuki, Tatsuro: On-line digital image restoration and manipulation using a minicomputer (E), AO 16: 462
- Idesawa, Masanori**  
—; Yatagai, Toyohiko; Soma, Takashi: Scanning moire method and automatic measurement of 3-D shapes (E), AO 16: 2152
- Idso, Sherwood B.** See Jackson, Ray D., AO 18: 3730, AO 18: 3775
- Ieiri, Shogo.** See Okada, Masakatsu, AO 14: 917, AO 15: 472



- Iga, Kenichi.** See Tako, Toshiharu, JOSA 69: 1482
- ; Yamamoto, Noboru; Kawakyu, Yoshito: Fabrication conditions for reducing aberration of plastic focusing lens (A), JOSA 69: 1404
- ; Kokubun, Yasuo: Formulas for calculating the refractive index profile of optical fibers from their transverse interference patterns (TE), AO 17: 1972
- ; Kambayashi, T.; Wakao, K.; Sakamoto, Y.: GaInAsP/InP lasers with chemically etched facet mirrors (A), JOSA 69: 1482
- ; Yamamoto, Noboru; Matsuura, Y.: Plastic focusing fiber for imaging application (A), JOSA 66: 385
- ; Yamamoto, Noboru: Plastic focusing fiber for imaging applications (ET), AO 16: 1305
- Igarashi, T.** See Aruga, Tadashi, AO 15: 261
- Igenbergs, E. B.**
- ; Cour-Palais, B.; Fisher, E.; Stehle, O.: Plasma flow and fast particles in a hypervelocity accelerator: a color presentation (E), AO 14: 2542
- Ignatiev, A.** See O'Neill, P., JOSA 67: 252, AO 16: 2822
- Ignatius, R.** See Goodman, N. B., AO 15: 2434
- Igo, Takeo.** See Zembutsu, Sakae, AO 14: 3073
- Ih, Charles S.** See Kopeika, N. S., AO 18: 3513
- Archival characteristics of Fourier color holograms (A), JOSA 64: 1396
- Archival characteristics of Fourier color holograms (T), AO 17: 1059
- ; Ledet, E.: Characteristics of holographic scanner utilizing utilizing a concave AR (A), JOSA 69: 1481
- ; Kong, N.; Giriappa, T.: Computer-produced hologram for two-dimensional scanners (A), JOSA 67: 1434
- ; Kong, N.; Giriappa, T.: Computer-produced holograms for scanners utilizing an auxiliary reflector (TE), AO 17: 1582
- Design considerations of 2-D holographic scanners (T), AO 17: 748
- Design considerations of two-dimensional holographic scanners (A), JOSA 66: 1062
- ; Boakes, E.: Fourier color holograms for archival image storage—a progress report (A), JOSA 69: 1403
- Holographic beam deflector utilizing a flat or concave disk and an auxiliary mirror (A), JOSA 64: 1382
- Holographic laser beam scanners utilizing an auxiliary reflector (TE), AO 16: 2137
- ; Baxter, L. A.: Improved random spatial phase modulation for speckle elimination (A), JOSA 67: 1390
- ; Baxter, L. A.: Improved random spatial phase modulation for speckle elimination (E), AO 17: 1447
- Multicolor imagery from holograms by spatial filtering (TE), AO 14: 438
- ; Waerber, B.: Scan modifications for two-dimensional holographic scanners (A), JOSA 68: 1443
- Sequential information retrieval from holograms (E), AO 15: 2698
- Speckle elimination using random spatial phase modulation (A), JOSA 66: 1111
- Speckle elimination using random spatial phase modulation (E) (L), AO 16: 1473
- Time-domain-holography modulation and optical fiber communication (A), JOSA 68: 1384
- Ihaya, Akira.** See Furuta, Hirosuke, AO 13: 322
- Iiyama, Michitomo**
- ; Kamiya, Takeshi; Yanai, Hisayoshi: Optical field mapping using single-mode optical fibers (E), AO 17: 1965
- Iizima, S.** See Matsuda, A., AO 16: 23
- Iizuka, Keigo.** See Gregoris, Loris G., AO 16: 418
- Ikeda, Hiroyuki**
- ; Ando, Moritoshi; Inagaki, Takefumi: Aberration corrections for a POS hologram scanner (TE), AO 18: 2166
- Ikeda, K.** See Matsuoka, M., JOSA 68: 707
- Ikeda, Masahiro.** See Kitayama, Kenichi, AO 17: 3660, AO 17: 3979; Tanifuji, Tadatoshi, AO 16: 2175; Tateda, Mitsuhiro, AO 15: 2308
- ; Murakami, Yasuji; Kitayama, Kenichi: Mode scrambler for optical fibers (E), AO 16: 1045
- ; Sugimura, Akira; Ikegami, Tetsuhiko: Multimode optical fibers: steady state mode exciter (E), AO 15: 2116
- ; Yoshikiyo, Haruo: Pulse separating in transmission characteristics of multimode graded-index optical fibers (E), AO 15: 1307
- ; Tateda, Mitsuhiro; Yoshikiyo, Haruo: Refractive index profile of a graded-index fiber: measurement by a reflection method (E) (L), AO 14: 814
- ; Kitayama, Kenichi: Transfer function of long spliced graded-index fibers with mode scramblers (E), AO 17: 63
- Ikeda, Mitsuho.** See Nakashima, Yoshio, JOSA 68: 1438; Ohmi, Masao, JOSA 68: 1454; Yaguchi, Hirohisa, JOSA 68: 1438
- ; Ayama, Miyoshi: Additivity of chromatic valence of two wavelengths (A), JOSA 68: 1438
- ; Sagawa, Ken: Binocular color fusion limit (E), JOSA 69: 316
- ; Kamata, Hiromi: Functional visual field for color discrimination (A), JOSA 68: 1400
- ; Shimozono, Hiroaki: Luminous efficiency functions determined by successive brightness matching (A), JOSA 68: 1400
- ; Shimozono, Hiroaki: Luminous efficiency functions determined by successive brightness matching (E), JOSA 68: 1767
- Ikeda, Osamu.** See Sato, Takuso, AO 17: 3945, AO 18: 386
- Ikeda, R.** See Obara, M., JOSA 68: 668
- Ikeda, Tamon.** See Sato, Takuso, AO 13: 1318
- Ikeda, Y.** See Koizumi, K., AO 13: 255
- Ikegami, Tetsuhiko.** See Ikeda, Masahiro, AO 15: 2116
- Ikeo, H.** See Okamoto, E., AO 14: 2453
- Ikushima, I.** See Chinone, N., AO 17: 311; Maeda, Minoru, AO 16: 1966
- Ilegems, M.** See Casey, H. C., Jr., JOSA 66: 290; Somekh, S., AO 15: 1905; van der Ziel, J. P., AO 14: 2627, AO 15: 1256
- Imai, Masaaki**
- ; Watanabe, A.: Acceptance angle of axially graded-index tapers (A), JOSA 64: 526
- ; Hara, Elmer H.: Excitation of fundamental and low-order modes of optical fiber waveguides by Gaussian beams. 1: Tilted beams (T), AO 13: 1893
- ; Hara, Elmer H.: Excitation of fundamental and low-order modes of optical fiber waveguides by Gaussian beams. 2: Offset beams (T), AO 14: 169
- ; Asakura, Toshimitsu: Log-amplitude and phase fluctuations of a guided beam mode in asymmetric slab waveguides (T), JOSA 66: 668
- Imai, T.** See Yazaki, T., AO 17: 3391
- Imai, Yoh.** See Ohtsuka, Yoshihiro, AO 17: 3402, JOSA 69: 684, JOSA 69: 963
- Imbert, C.** See Levy, Y., JOSA 67: 1410; Loulberg, J. C., JOSA 67: 1446; Roosen, G., JOSA 67: 1438
- Imbusch, G. F.** See Broer, M. M., OL 3: 175
- Inaba, Humio.** See Ito, Hiromasa, JOSA 68: 638
- Inabe, Y.** See Yamada, R., JOSA 64: 964
- Inada, Hitoshi**
- Backscattered short pulse response of surface waves from dielectric spheres (T), AO 13: 1928
- Inada, K.**
- ; Yamauchi, R.; Tanaka, S.: Losses due to core-cladding interface imperfection and their reduction in optical fibers made by CVD technique (A), JOSA 67: 709
- Inagaki, Takefumi.** See Ikeda, Hiroyuki, AO 18: 2166
- ; Furukawa, Y.; Goto, Y.; Akimura, T.; Nishimura, Y.: Hologram writer using a plasma display panel (E), AO 13: 819
- Indebetouw, G.**
- Application of optical processing techniques to the quality control of micromechanics (E), AO 16: 1944
- Color coding of spatial frequencies using incoherent optical processing (E), AO 18: 4206
- Optical Information Processing, Volume 2. Edited by E. S. Barrekette, G. W. Stroke, Y. E. Nesterikhin, and W. E. Kock (B), AO 18: 148
- ; Tschudi, Theo; Steffen, J.: Optical processing techniques in the quality control of micromechanics (E), AO 17: 911
- Production of color coded equidensities using nonlinear filtering (E), AO 16: 1951
- Profile measurement using projection of running fringes (E), AO 17: 2930
- ; Tschudi, Theo; Herziger, G.: Quality control of small mechanical pieces using optical correlation techniques (A), JOSA 66: 169
- ; Tschudi, Theo; Herziger, G.: Quality control of small mechanical pieces using optical correlation techniques (ET), AO 15: 516
- Ineichen, B.** See Daendliker, Rene, JOSA 64: 1381, JOSA 65: 1223
- Infosino, Charles J.** See Taylor, Leonard S., JOSA 64: 540, JOSA 65: 78
- ; Taylor, Leonard S.: Phase screen theory of laser-beam scintillations (A), JOSA 65: 1217
- Ingelstam, Erik**
- Laser speckle optometer applications to ophthalmological problems (A), JOSA 66: 1112
- Ingersoll, K. A.** See Johnson, L. F., AO 17: 1165
- Two-chopper technique for measuring fluorescence lifetimes (E), AO 15: 61
- Inghram, Mark G.** See Parr, Albert C., JOSA 65: 613
- Ingling, Carl R., Jr.**
- Luminance and opponent color contributions to visual detection and to temporal and spatial integration: comment (T) (L), JOSA 68: 1143
- Luminance and opponent color contributions to visual detection and to temporal and spatial integration: comment (errata), JOSA 68: 1787
- Ingram, M.** See Salzman, G. C., JOSA 66: 387
- Ingrey, S. J.** See Wei, J., JOSA 65: 1222
- ; Westwood, William D.: Birefringent waveguides prepared by reactive sputtering of niobium in O<sub>2</sub>-N<sub>2</sub> mixtures (E) (L), AO 15: 607
- ; Westwood, William D.; Cheng, Y. C.; Wei, J. S.: Variable refractive index and birefringent waveguides by sputtering tantalum in O<sub>2</sub>-N<sub>2</sub> mixtures (E), AO 14: 2194
- Inguscio, Massimo**
- ; Strumia, Franco; Evenson, Kenneth M.; Jennings, D. A.; Stein, S. R.; Scalabrin, Artemio: Far-infrared CH<sub>3</sub>F Stark laser (E), OL 4: 9
- Inn, Edward C. Y.**
- ; Starr, W. L.: Lyman-band fluorescence intensity vs H<sub>2</sub> pressure (E), JOSA 65: 320
- Innes, K. K.** See Karl, R. R., Jr., JOSA 65: 1181
- Innes, Richard B.** See Porcello, Leonard J., JOSA 66: 1305
- Inouye, C. S.** See Pong, W., JOSA 68: 521
- Inuzuka, T.** See Shono, Yasuo, JOSA 68: 1579
- Ioffe, A. F.** See Alferov, Zh. I., JOSA 66: 288
- Iogansen, L. V.**
- Resonant tunneling of light in optical waveguides (E) (L), JOSA 66: 972
- Ioka, Akio**
- ; Kurahashi, Koichiro: Grating modulated phase plates for holographic storage (TE), AO 14: 2267
- ; Kurahashi, Koichiro: Holographic image formation using phase plates with incoherent imaging property (TE), AO 15: 1787
- Ioup, G. E.** See Hill, N. R., JOSA 66: 487
- Ippen, E. P.** See Ho, P.-T., JOSA 68: 1620; Shank, C. V., JOSA 66: 1082, JOSA 68: 681
- Irbay, Carl A.** See Marks, Robert J., II, JOSA 67: 1423
- ; Hagler, Marion O.; Krile, Thomas F.: Computer-generated multiplex holography (A), JOSA 69: 1409
- Ireland, W.**
- ; Andrews, M. K.: Photometric properties of an unidentified bright object seen off the coast of New Zealand: comments (E) (L), AO 18: 3889
- Irla, H.** See Fesquet, J., AO 18: 175, AO 18: 2491
- Irvin, Gregg E.** See Gaska, James P., JOSA 69: 1453
- ; White, Thomas W.; Williams, Mary C.; Sturr, Joseph F.: Brightness and darkness of brief changes in luminance (A), JOSA 69: 1486
- Irwin, David J. G.** See Pinnington, Eric H., JOSA 67: 1384
- ; Kernahan, J. A.; Pinnington, Eric H.; Livingston, A. E.: Beam-foil mean-life measurements in krypton (E), JOSA 66: 1396
- Irwin, J. C.** See McMath, T. A., JOSA 67: 630
- Isaacs, T. J.** See Gottlieb, Milton, AO 17: 2482
- Isaev, S. K.**
- ; Kornienko, L. S.; Kravtsov, N. V.; Naumkin, N. I.; Skuibin, B. G.; Firsov, V. V.; Yatsenko, Yu. P.: Mode self-locking in solid-state lasers with long resonators (A), JOSA 68: 1621
- Isele, G. W.** See Kildal, Helge, JOSA 67: 255, AO 15: 3062; Menyuk, N., OL 4: 55
- Iseonor, N. R.** See Jaanimagi, P. A., JOSA 67: 1404, OL 4: 45
- Ishida, A.** See Tsukamoto, K., AO 13: 869



- Ishida, Hiroyuki.** See Sato, Takuso, AO 18: 386
- Ishida, Yukinori.** See Kashima, Norio, AO 16: 2732
- Ishiguro, Eiji**  
—; Iwanaga, Ryoichi; Oshio, Takanori: Geometric optical theory of diffraction gratings (T), JOSA 69: 1530
- Ishihara, Koushi.** See Katsuyama, Yutaka, AO 18: 2232
- Ishihara, Satoshi.** See Huang, Alan, AO 18: 149
- Ishii, Akira.** See Tsukamoto, K., AO 13: 869
- ; Yamamoto, Manabu: Acoustooptic traveling-wave transcription signal recording based on two-beam interference (TE), AO 18: 335
- Ishii, Junichi.** See Sato, Takuso, AO 17: 2047, AO 18: 485
- Ishii, Toshio**  
Circular dichroism of poly-D-glutamic acid adsorbed on air-water interfaces (E), AO 14: 2143
- Ishikawa, Shigeta**  
—; Furuya, Kazuhito; Suematsu, Yasuharu: Vector wave analysis of broadband multimode optical fibers with optimum refractive index distribution (T), JOSA 68: 577
- Ishimaru, Akira.** See Reynolds, Larry, AO 15: 2059; Shimizu, Koichi, JOSA 68: 1385, JOSA 69: 1467, AO 18: 3484; Sreenivasiah, I., AO 18: 1613  
Diffusion of a pulse in densely distributed scatterers (T), JOSA 68: 1045  
Diffusion of a short pulse in randomly distributed scatterers (A), JOSA 67: 1367  
Limitation on image resolution imposed by a random medium (A), JOSA 66: 1065  
Limitation on image resolution imposed by a random medium (T), AO 17: 348  
Optical pulse propagation through turbulence, rain, and fog (A), JOSA 68: 540  
Optical scattering and diffusion in turbulence and scatterers (A), JOSA 68: 1368  
Phase fluctuations in a turbulent medium (T), AO 16: 3190
- Ishitsuka, F.** See Maeda, Minoru, AO 16: 403
- Israelachvili, Jacob**  
—; Sammut, Rowland A.; Snyder, Allan W.: Birefringence and dichroism in invertebrate photoreceptors (T) (L), JOSA 65: 221
- Isshiki, Masaki.** See Takahashi, Toshihito, AO 15: 546
- Iten, P. D.** See Daendliker, Rene, AO 13: 286
- Ito, Hiromasa**  
—; Inaba, Humio: Guided-wave optical SHG of GaAs laser wavelengths in four-layered nonlinear waveguide (A), JOSA 68: 688
- Ito, K.** See Tajima, T., AO 17: 1290, AO 18: 419
- Ito, Minoru**  
Piezoelectric stack for beam control (E) (L), AO 16: 1468
- Ito, R.** See Chinone, N., AO 17: 311
- Ito, T.** See Ozeki, T., OL 2: 103
- Ito, Yoshitoshi**  
Light modulation with multilayer thin films (E) (L), AO 13: 2464
- Itoh, K.** See Ichio, Yoshiaki, AO 16: 462
- Itoh, Kazuyoshi.** See Ohtsuka, Yoshihiro, AO 18: 219
- Itoh, R.** See Maeda, Minoru, AO 16: 1966
- Itoh, T.** See Mostafavi, M., AO 14: 2190
- Itoh, Yoshinobu.** See Tsuruta, Tadao, AO 13: 1089
- Itzkan, I.** See Kung, R. T. V., AO 15: 409; Morton, Richard G., AO 17: 3268; Northam, D. B., AO 17: 931; Wallace, James, JOSA 64: 1123
- Ivancic, W.** See Reddy, S. Paddi, AO 18: 1350
- Ivanov, A. P.**  
—; Chaikovskii, A. P.; Kumeisha, A. A.: Method for high-range resolution measurements of light scattering in optically dense inhomogeneous media (E), OL 1: 226
- ; Ivanov, G. A. See Grigoryants, V. V., JOSA 67: 709
- Ivlev, L. S.** See Kondratyev, K. Ya, AO 13: 478
- Iwama, T.** See Daido, Y., AO 18: 2207
- Iwanaga, Ryoichi.** See Ishiguro, Eiji, JOSA 69: 1530  
—; Oshio, Takanori: Aberration reduced mechanically ruled grating for simple rotational mounting (T), JOSA 69: 1538
- Iwasa, Sato**  
Optical processing: a near real-time coherent system using two Itek PROM devices (TE), AO 15: 1418  
—; Feinleib, Julius; Hecht, David L.: Pulse-signal analysis using a PROM device and a Bragg-cell spectrum analyzer (A), JOSA 65: 1178
- Iwasaki, Akira.** See Kato, Isamu, JOSA 68: 1008, JOSA 69: 175
- Iwasaki, Takashi**  
On the generation of elliptical and hyperbolic waves by a cylindrical lens (T) (L), JOSA 66: 277
- Iwata, Fujio**  
—; Tsujiuchi, Jumpei: Characteristics of a photoresist hologram and its replica (E), AO 13: 1327  
—; Tsujiuchi, Jumpei: Characteristics of a photoresist hologram and its replica (E) (errata), AO 13: 2190
- Iwata, Koichi.** See Maruyama, Yoshihisa, AO 16: 2034, AO 16: 2500; Matsumoto, T., AO 13: 1080; Nagae, S., AO 14: 115, AO 14: 970  
—; Hakoshima, Tsuyoshi; Nagata, Ryo: Measurement of flow velocity distribution by means of double-exposure holographic interferometry (E), JOSA 67: 1117
- Iwema, D.** See Gencelli, O., JOSA 68: 1443
- Iyer, Ramakrishna S.** See Bufton, Jack L., AO 16: 2408, AO 17: 265; Davidson, F., AO 13: 2171  
—; Bufton, Jack L.: Corrections for atmospheric refractivity in satellite laser ranging (A), JOSA 66: 1095  
—; Bufton, Jack L.: Corrections for atmospheric refractivity in satellite laser ranging (TE), AO 16: 1997  
Threshold detection in pulsed laser ranging (T) (L), AO 15: 1349
- Izatt, Jerald R.** See Caudle, George F., JOSA 64: 553, JOSA 65: 1207, JOSA 67: 1440; Lim, T. K., JOSA 65: 1207; Mathieu, Pierre, JOSA 67: 1425
- Izawa, T.** See Kobayashi, S., AO 14: 2817
- Izawa, Tatsuo.** See Uehara, Shingo, AO 13: 1753
- Izumitani, T.** See Hirota, S., AO 18: 97
- Jaanimagi, P. A.**  
—; Isenor, N. R.; Richardson, M. C.: Ultrafast COCO-II laser diagnostics (A), JOSA 67: 1404  
—; Richardson, M. C.; Isenor, N. R.: Upconversion linearity in proustite for short 10.6- $\mu$ m pulse diagnostics (E), OL 4: 45
- Jablonski, D. P.**  
—; Raamot, J.: Galvanometer deflection: a precision high-speed system (E), AO 15: 1437
- Jablonski, Donald P.**  
Simple interferometer for monitoring Rayleigh waves (E), AO 17: 2064
- Jackson, Bernard V.** See Smythe, William D., AO 16: 2041
- Jackson, D. A.**  
—; Priest, Richard G.: Application of a microcomputer to optical spectroscopy (A), JOSA 67: 1420  
—; Priest, Richard G.: Application of a microcomputer to optical spectroscopy (E), AO 17: 2981  
Hyperfine structure in the arc spectrum of  $^{83}\text{Kr}$  (E), JOSA 67: 1638  
—; Hyperfine structure in the arc spectrum of  $^{83}\text{Kr}$  (errata), JOSA 68: 1155  
Isotope shifts in the near infrared lines of the arc spectrum of krypton (E), JOSA 69: 503  
Pressure shifts and broadenings in the arc spectrum of xenon (E), JOSA 66: 1014  
—; Coulombe, M. C.: Wavelength and classification of the 6504 line of Xe I (E) (L), JOSA 65: 464
- Jackson, John E.** See Rice, R. R., AO 17: 1824  
—; Casey, W. L.: Aircraft window polarization testing for a 1-Gbps laser communication test (A), JOSA 69: 1405  
—; Anderson, R.: Blue-green laser communication filter-receiver (A), JOSA 69: 1427  
Communication-system losses due to polarization mixing resulting from mirror contamination and angle-of-incidence effects (A), JOSA 64: 521  
—; Chenoweth, A. J.; Rice, R. R.; Teague, J. R.: Fourier transform simulator measurement of a laser communication beam (A), JOSA 66: 1137
- Jackson, Ray D.**  
—; Reginato, Robert J.; Pinter, Paul J., Jr.; Idso, Sherwood B.: Plant canopy information extraction from composite scene reflectance of row crops (TE), AO 18: 3775  
—; Idso, Sherwood B.; Pinter, Paul J., Jr.; Reginato, Robert J.: Wheat spectral reflectance: interactions between crop configuration, sun elevation, and azimuth angle (E) (L), AO 18: 3730
- Jackson, W. M.** See Halpern, J. B., AO 18: 590; Miller, George E., JOSA 68: 641, AO 17: 2821
- Jacob, J. H.** See Mangano, J. A., JOSA 68: 548; Pugh, E. R., AO 13: 2512
- Jacob, R. Larry.** See Fossey, Michael E., JOSA 66: 382
- Jacobowitz, H.** See Smith, W. Lee, AO 16: 306
- Jacobs, B. A. J.** See Dil, Jan G., JOSA 69: 950  
Laser beam recording of video master disks (E), AO 17: 2001
- Jacobs, Ira**  
—; McCrory, James R.: Atlanta system experiments overview (A), JOSA 67: 709
- Jacobs, J. T.**  
—; Schreiber, D.; Crooks, W.; Weiche, W. J.: Microfilm by laser transfer printing (A), JOSA 66: 381
- Jacobs, Michael M.** See Babrov, Harold J., AO 18: 3901; Gordon, Howard R., AO 14: 417, AO 16: 2257
- Jacobs, Ralph R.** See Weber, Marvin J., JOSA 66: 388  
Raman pulse compression (A), JOSA 69: 1449  
—; Krupke, William F.: Rare-earth vapors as fusion laser gain media (A), JOSA 68: 548  
—; Krupke, William F.: Terbium molecular vapor laser and kinetics experiments (A), JOSA 68: 712
- Jacobs, S. D.**  
—; Teegarden, Kenneth J.; Ahrenkiel, R. K.: Faraday rotation optical isolator for 10.6- $\mu$ m radiation (E), AO 13: 2313
- Jacobs, Stephen D.** See Brown, David C., AO 17: 211
- Jacobs, Stephen F.** See Arecchi, F. T., JOSA 68: 1391, AO 18: 1247; Barrett, Harrison H., OL 4: 190; Berthold, John W., III, AO 15: 1898, AO 15: 2344; Gordon, Scott K., AO 13: 231; Lewis, Owen, JOSA 68: 542  
Introduction to Quantum Electronics. By P. A. Lindsay (B), AO 15: 1893  
Optics and Lasers, an Engineering Physics Approach. By Matt Young (B), JOSA 68: 1153  
Principles of Lasers. By Orazio Svelto, translated from Italian by David C. Hanna (B), JOSA 67: 710  
Techniques for measurement of small displacements: ac or dc (A), JOSA 66: 1129
- Jacobsen, Gunnar.** See Hansen, J. J. Ramskov, AO 18: 3  
—; Hansen, J. J. Ramskov: Modified evanescent wave theory for evaluation of propagation constants and group delays of graded-index fibers (T) (L), AO 18: 3719  
—; Hansen, J. J. Ramskov: Propagation constants and group delays of guided modes in graded-index fibers: a comparison of three theories (T), AO 18: 2837
- Jacobson, A. D.** See Grinberg, Jan, JOSA 66: 1003
- Jacobsson, Roland**  
Optical measurement methods (A), JOSA 66: 164
- Jacomme, L.**  
Modal dispersion in multimode graded-index fibers (T), AO 14: 2578
- Jacquot, Pierre**  
—; Rastogi, Pramod K.: Speckle motions induced by rigid-body movements in free-space geometry: an explicit investigation and extension to new cases (TE), AO 18: 2022
- Jadotte, Henry M.**  
—; Wilkins, J. Ernest, Jr.: Apodization for maximum encircled-energy ratio and specified Sparrow limit of resolution for coherent illumination (T) (L), JOSA 66: 1052
- Jaeger, R. E.** See Friebele, E. J., JOSA 67: 707
- Jaeger, R. E.** See Kurkjian, C. R., JOSA 67: 706
- Jaegle, P.**  
—; Jamelot, G.; Carillon, A.; Sureau, A.: Spectral line shape in inhomogeneous dense plasma (A), JOSA 68: 547
- Jaenicke, R.**  
—; Kasten, F.: Estimation of atmospheric turbidity from the burned traces of the Campbell-Stokes sunshine recorder (T), AO 17: 2617  
Fine particles symposium, University of Minnesota, 28-30 May 1975 (M), AO 14: 2784
- Jaenicke, Richard.** See Diamond, Ivan, JOSA 64: 534
- Jaerisch, W.** See Makosch, G., AO 17: 744, AO 17: 1990



- ; Makosch, G.: Interferometric surface mapping with variable sensitivity (E), AO 17: 740
- Jaggard, D. L.**
- ; Elachi, Charles: Floquet and coupled-waves analysis of higher-order Bragg coupling in a periodic medium (T), JOSA 66: 674
- Jagger, W. S.**
- ; Liebman, P. A.: Anomalous dispersion of rhodopsin in rod outer segments of the frog (ET), JOSA 66: 56
- Jahn, W.** See Deutschbein, O., AO 17: 2228
- Jahnke, J. A.** See Herget, William F., AO 15: 1222
- Jahoda, Franz C.**
- Optical diagnostics of the Scyllac CTR device: a case study (A), JOSA 65: 1198
- Jain, Anil K.** See Angel, E. S., JOSA 65: 1203, AO 17: 2186; Christensen, Charles R., JOSA 68: 1376; Padgug, Robert, JOSA 65: 1203
- Operator factorization of PSF for fast digital restoration of images (A), JOSA 64: 1377
- Jain, Atul.** See George, Nicholas, JOSA 64: 544, JOSA 65: 1196
- Electronic imaging and scanning system (T) (L), AO 16: 550
- Jain, K.**
- ; Wozniak, W. T.; Klein, M. V.: Diffraction grating use to reject fluorescence from a tunable dye laser (E) (L), AO 14: 811
- Jain, Manoj.** See Tzoar, Narkis, JOSA 68: 1359
- ; Tzoar, Narkis: Nonlinear pulse propagation in optical fibers (T), OL 3: 202
- Jain, R. K.** See Ausschnitt, C. P., JOSA 68: 666; Heritage, J. P., JOSA 67: 1425; Lin, Chinlon, JOSA 67: 250, OL 1: 205; Lind, Richard C., JOSA 69: 372; Wang, Victor, JOSA 68: 1627
- ; Klein, M. B.; Lind, Richard C.: High-efficiency degenerate four-wave mixing of 1.06- $\mu$ m radiation in silicon (E), OL 4: 328
- ; Ausschnitt, C. P.: Subpicosecond pulse generation in a synchronously mode-locked cw rhodamine 6G dye laser (E), OL 2: 117
- ; Heritage, J. P.: Wavelength-tunable subpicosecond pulse generation in cw synchronously mode-locked dye lasers (A), JOSA 67: 1424
- Jain, S. C.** See Bukata, R. P., AO 18: 3926
- ; Miller, J. R.: Algebraic expression for the diffuse irradiance reflectivity of water from the two-flow model (T), AO 16: 202
- ; Miller, J. R.: Subsurface water parameters: optimization approach to their determination from remotely sensed water color data (TE), AO 15: 886
- Jaiswal, A. K.**
- ; Bhushan, Jagat: Dependence of incoherent system response on object contrast (T), AO 13: 1839
- ; Bhogra, R. K.: Effects of target contrast and background upon tribar threshold and resolution (T), AO 15: 504
- ; Bhogra, R. K.: Resolution for a general two-bar target (T) (L), AO 15: 1911
- Jakeman, E.** See Parry, G., JOSA 69: 1412
- ; McWhirter, J. G.; Pusey, P. N.: Enhanced fluctuations in radiation scattered by a moving random phase screen (T), JOSA 66: 1175
- ; McWhirter, J. G.; Parry, G.; Pusey, P. N.: Optical propagation through a random phase screen (A), JOSA 68: 540
- ; McWhirter, J. G.; Pusey, P. N.: Statistical and correlation properties of speckle produced by a moving rough surface (A), JOSA 66: 179
- Jambor, B. J.** See Muscare, J. A., JOSA 64: 530
- Jamelot, G.** See Jaegle, P., JOSA 68: 547
- James, John F.**
- Optical screw as an interferometer control device (A), JOSA 69: 1455
- James, K. A.**
- ; August, R. R.; Coker, J. E.: Silicon monolithic optical integrated circuits for laser system applications (A), JOSA 66: 386
- James, Robert H.** See Mohan, Kshitij, AO 18: 1937
- Jameson, Dorothea.** See Hurvich, Leo M., JOSA 69: 1417
- Jamieson, John A.**
- Passive infrared sensors: limitations on performance (T), AO 15: 891
- Jamieson, Thomas H.**
- Afocal systems for thermal imagers (A), JOSA 68: 1374
- Lens systems: aplanatic anastigmatic two and three element (T), AO 15: 2276
- Jamison, S. A.**
- ; Nurmikko, A. V.; Gerritsen, H. J.: Fast transient spectroscopy of the free carrier plasma edge in semiconductors (A), JOSA 66: 1073
- ; Nurmikko, A. V.: Generation of intense ultrashort pulses at 10.6  $\mu$ m (A), JOSA 68: 667
- Jammu, K. S.**
- ; Welsh, H. L.: Hypersensitization by baking of certain Kodak photographic plates for use in high-resolution Raman spectroscopy (E), AO 15: 423
- Janai, M.**
- ; Oscar, S.; Lipson, S. G.; Rudman, P. S.: Image evaluation of the light-enhanced vaporization photolithographic process in  $As_2S_3$  thin films (E), OL 2: 51
- Jancaitis, James R.**
- Display and Analysis of Spatial Data. Edited by J. C. Davis and M. J. McCullagh (B), JOSA 66: 394
- Jandl, S.**
- ; Carlone, Cosmo: Raman spectra of crystalline InSe (A), JOSA 67: 1411
- Janeczko, D. J.** See Marchand, E. W., JOSA 64: 846
- Janney, Gareth M.**
- Electronic Transition Lasers, Proceedings of the Second Summer Colloquium on Electronic Transition Lasers. Edited by Jeffrey I. Steinfeld (B), JOSA 67: 1133
- Jannitti, E.** See Cantu, A. M., JOSA 64: 699
- ; Nicolosi, Piergiorgio; Tondello, Giuseppe: Stigmatic observations of laser-produced plasmas with a grazing-incidence spectrograph (E), OL 4: 187
- Janossy, M.** See Rozsa, K., JOSA 68: 717
- Jansen, J.** See Stark, E. E., Jr., JOSA 68: 546; Stratton, T. F., JOSA 68: 543
- Jansson, Peter A.**
- Hot-pressed TGS for pyroelectric detector applications (E) (L), AO 13: 1293
- ; Davies, R. D.: Restoration of instrumentally broadened ESCA spectra (A), JOSA 64: 1372
- Jao, Jen King**
- ; Elbaum, Marek: First-order non-Gaussian statistics of an optical field scattered from a glinty rough object under coherent illumination (A), JOSA 67: 1368
- ; Elbaum, Marek: Probability distribution of optical amplitude scattered from a rough object containing multiple glints (T), JOSA 67: 1266
- Jaramillo, James G.** See Lytle, John D., JOSA 68: 1397, AO 18: 1842
- Jarasiunas, K.**
- ; Gerritsen, H. J.: Ambipolar diffusion measurements in semiconductors using transient gratings (A), JOSA 68: 679
- Jaroslavski, L. P.**
- ; Merzlyakov, N. S.: Stereoscopic approach to 3-D display using computer-generated holograms: comment (TE) (L), AO 16: 2034
- Jarrett, Steven M.**
- ; Young, J. F.: High-efficiency single-frequency cw ring dye laser (A), JOSA 68: 634
- ; Young, J. F.: High-efficiency single-frequency cw ring dye laser (E), OL 4: 176
- Lasers, A Series of Advances, Volume 4. Edited by Albert K. Levine and Anthony J. DeMaria (B), JOSA 67: 988
- Jaspersion, Stephen N.** See McMahon, Thomas J., AO 13: 2750
- Jastrow, Robert**
- A discipline in which only the sky is the limit (N), AO 16: 2348
- Jaussaud, C.** See Mayer, A., AO 17: 391, AO 17: 2138
- Javan, Ali.** See Bezdjian, K., JOSA 66: 1108; Fulghum, S. F., Jr., JOSA 68: 1356; Hamadani, S. M., JOSA 65: 1207; Kelly, M. J., JOSA 65: 1163; Monchalin, J.-P., OL 1: 5, OL 1: 140; Sheffield, R. L., JOSA 68: 1403
- Extension of microwave detection and frequency measurements into the optical region (A), JOSA 64: 1379
- Precise interferometric laser-wavelength measurements: progress report (A), JOSA 65: 1190
- Precise interferometric laser-wavelength measurements: progress report (A), JOSA 66: 1099
- Precise interferometric laser wavelength measurements: status report (A), JOSA 67: 1413
- Jeannet, P.** See Martens, U., AO 14: 1177
- Jeffers, S.** See Stiff, T., AO 17: 1811
- Jeffery, J.** See Kienzie, W., JOSA 68: 1396
- Jelalian, A. V.**
- ; Keene, W. H.; Sonnenschein, C. M.; Chabot, A. A.; Harris, C. E.: Infrared laser Doppler radar systems for the remote detection of atmospheric turbulence (A), JOSA 64: 539
- Jenkinson, H. A.** See Church, E. L., JOSA 65: 1216, JOSA 67: 254
- Jenness, James R., Jr.**
- Fine structure of an image facsimile synthesized with a Gaussian spot (T), AO 18: 2033
- Jennings, D. A.** See Baird, K. M., OL 4: 263; Evenson, Kenneth M., JOSA 67: 1387; Inguscio, Massimo, OL 4: 9; Petersen, F. R., JOSA 64: 1380, JOSA 67: 1398
- ; Petersen, F. R.; Evenson, Kenneth M.: Frequency measurement of the 260-THz (1.15- $\mu$ m) He-Ne laser (E), OL 4: 129
- Jennings, D. E.** See Hillman, J. J., AO 18: 1808
- ; Blass, W. E.; Gailar, N. M.: Absorption cell: a modified multiple-traversal device (E) (L), AO 15: 864
- ; Hillman, J. J.; Weber, W. H.: Diode laser analyses of the  $3\nu_1^1 + \nu_2 \leftarrow 2\nu_1^0 + 4\nu_2^0 + \nu_2 \leftarrow 3\nu_1^1 + Q$  branches of  $C_3O_2$  (ET), OL 2: 157
- ; Boyd, W. J.; Blass, W. E.: Infrared detector Dewars: increased  $LN_2$  hold time and vacuum jacket life spans (E) (L), AO 15: 836
- Jennings, S. G.** See Gillespie, James B., AO 17: 989
- Continuous measurements of the natural aerosol size distribution at rural, mountain, and maritime sites (A), JOSA 67: 256
- ; Pinnick, R. G.; Auvermann, H. J.: Effects of particulate complex refractive index and particle size distribution variations on atmospheric extinction and absorption for visible through middle IR wavelengths, AO 17: 3922
- Influence of the complex index of refraction on the volume extinction, scattering, and absorption coefficient of particle size distributions (A), JOSA 68: 540
- ; Pinnick, R. G.; Gillespie, James B.: Relation between absorption coefficient and imaginary index of atmospheric aerosol constituents (T), AO 18: 1368
- Jensen, A. Skov.** See Lading, L., AO 17: 1486
- Jensen, Arthur E.** See Fehniger, Michael J., JOSA 64: 1370
- Design program for aspheric null corrector for conic mirrors (A), JOSA 69: 1419
- Higher-order wavefront symmetries and applications to interferometric testing (A), JOSA 64: 1369
- Wave front aberration analysis for general aperture and to very high orders (A), JOSA 69: 1419
- Jensen, C. C.**
- ; Steinfeld, Jeffrey I.; Levine, R. D.: Information theoretic analysis of multiphoton excitation and collisional deactivation of polyatomic molecules (A), JOSA 68: 709
- Jensen, D. R.** See Hughes, H. G., AO 17: 2138, AO 17: 3339
- Aerosol measurements in the marine boundary layer at San Diego (A), JOSA 68: 540
- Jensen, K.** See Andersen, N., AO 13: 1965
- Jensen, Reed J.** See Robinson, C. Paul, JOSA 65: 1173
- Jensen, Richard E.** See Tobin, Mary S., AO 15: 2023
- Jensen, S. L.** See Hellwarth, Robert W., JOSA 68: 689
- Jensen, S. M.** See Barnoski, M. K., AO 15: 2112, AO 16: 2375
- ; Barnoski, M. K.: Stimulated Raman scattering in multimode fibers (A), JOSA 67: 707
- Jenssen, H. P.** See Walling, John C., JOSA 69: 373, OL 4: 182
- ; Begley, Richard F.; Morris, R. C.: Properties of  $Nd:La_2Be_2O_5$  laser crystals (A), JOSA 66: 384
- Jeppsen, J.** See Andersen, N., AO 13: 1965
- Jeppsen, Paul L.** See Green, William B., AO 14: 105
- Jernigan, J. L.** See Heller, Carl A., AO 16: 61
- Jerome, J. H.** See Bukata, R. P., AO 18: 3926
- Jetter, H.** See Fill, E., JOSA 68: 1624
- Jeunhomme, L.**
- ; Pocholle, J. P.: Mode coupling in a multimode optical fiber with microbends (ET), AO 14: 2400



- ; Fraise, M.; Pocholle, J. P.: Propagation model for long step-index optical fibers (TE), AO 15: 3040
- ; Pocholle, J. P.: Selective mode excitation of graded index optical fibers (E), AO 17: 463
- Jewell, J. L.** See Hopf, Frederic A., JOSA 69: 968
- Jimenez, E.**
- ; Campos, Jose; del Rio, C. Sanchez: Radiative lifetimes of some levels of Xe I and Xe II (E), JOSA 64: 1009
- Jodoin, R.**
- ; Mandel, Leonard: Optimum conditions for superradiant damping (A), JOSA 65: 1181
- Johannin-Gilles, A.** See Bideau-Mehu, A., AO 15: 2626
- Johansson, Stefan.** See Biedermann, Klaus, JOSA 64: 862
- ; Biedermann, Klaus: Multiple-sine-slit microdensitometer and MTF evaluation for high resolution emulsions. 1: Theory and mode of operation (ET), AO 13: 2280
- ; Biedermann, Klaus: Multiple-sine-slit microdensitometer and MTF evaluation for high resolution emulsions. 2: MTF data and other recording parameters of high resolution emulsions for holography (E), AO 13: 2288
- Johnson, August H.** See Farley, John W., JOSA 69: 1408
- Johnson, B.** See Bliss, E. S., JOSA 68: 547
- Johnson, B. C.** See Simmons, W. W., AO 13: 1629; Summers, M. A., JOSA 66: 388; Weaver, H. J., JOSA 64: 562
- Design and application of ultrafast KD\*P electro-optical modulators (A), JOSA 66: 383
- Precision laser beam-shaping apertures (A), JOSA 66: 388
- Johnson, C.** See Reynolds, Larry, AO 15: 2059
- Johnson, C. B.**
- Modulation transfer function parameters for all photographic films listed in Kodak pamphlet P-49 (E) (L), AO 15: 1130
- Johnson, C. E.**
- Ultra-black coating for optical and solar devices (A), JOSA 69: 1400
- Johnson, Catherine C.** See Hollahan, John R., AO 13: 1844
- Johnson, Chris A.**
- Effects of luminance and stimulus distance on accommodation and visual resolution (E), JOSA 66: 138
- Johnson, Clement.** See Sperling, Harry G., JOSA 64: 1397
- Johnson, D.** See Bretz, Norton, AO 17: 192
- Johnson, D. L.** See Martin, T. H., JOSA 68: 545
- Johnson, D. R.** See Kirchhoff, W. H., AO 13: 2185
- Johnson, Derwyn C.** See Hill, Kenneth O., JOSA 66: 1114, JOSA 67: 1361, JOSA 68: 1627; Kawasaki, Brian S., JOSA 67: 1372, JOSA 68: 663, OL 1: 107, OL 3: 66, AO 16: 1239; Rinehart, E. A., JOSA 66: 78
- ; Hill, Kenneth O.; Kawasaki, Brian S.: Continuous-wave optical-fiber Raman oscillator employing a two-mirror resonator configuration (E) (L), AO 17: 3032
- Johnson, Donald R.**
- Microwave Spectroscopy of Free Radicals. By Alan Carrington (B), AO 15: 286
- Johnson, E. H.** See McElroy, John H., AO 14: 1297
- Johnson, Eric G., Jr.**
- Evaluating the inequivalence and a computational simplification for the NBS laser energy standards (TE), AO 16: 2315
- Laser beam profile measurements using spatial sampling, Fourier optics, and holography book (N), AO 18: 2036
- Johnson, F. B.** See Primavera, C. A., AO 17: 300
- Johnson, F. E.** See Saito, Theodore T., OL 2: 19
- Johnson, G.** See Wright, M. L., JOSA 67: 257
- Johnson, G. B.** See Verdeyen, J. T., JOSA 68: 746
- Johnson, Glen W.**
- ; Moore, Duncan T.: Evaluating gradient index fibers using transverse illumination (A), JOSA 67: 1373
- Johnson, J. C.** See Massey, G. A., JOSA 66: 1098, AO 17: 3702
- ; Massey, G. A.: Bolometric laser power meter for sensitive measurements in the IR-vacuum UV spectral range (E) (L), AO 17: 2268
- ; Massey, G. A.: Lasers for photoelectron microscopy (A), JOSA 68: 1356
- Johnson, J. R.**
- Diopters and eigenvalues (TE) (L), AO 15: 1691
- Johnson, L. C.** See Mansfield, D. K., AO 18: 3717
- Johnson, L. F.**
- Evolution of grating profiles under ion-beam erosion (TE), AO 18: 2559
- ; Kammloft, G. W.; Ingersoll, K. A.: Generation of periodic surface corrugations (TE), AO 17: 1165
- Johnson, L. H.** See Lo, D. S., JOSA 64: 1394, JOSA 66: 1084, AO 14: 820
- Johnson, M. A.** See Hackel, L. A., JOSA 69: 230
- Johnson, M. M.**
- Direct application of the fast Fourier transform to open resonator calculations (T), AO 13: 2326
- Johnson, Mark.** See Ulrich, R., OL 4: 152, AO 18: 1857
- In-line fiber-optical polarization transformer (ET) (L), AO 18: 1288
- Johnson, Michael A.**
- Infrared long-baseline interferometry (A), JOSA 64: 522
- Johnson, Norman J. E.**
- ; Quinn, Thomas G., III: Precision emittance measurement with an interferometer spectrometer (A), JOSA 64: 546
- Johnson, P. G.**
- ; Kaye, A. L.; Meaburn, John: Wide-field filter camera (E), AO 17: 442
- Johnson, R. Barry**
- Abbe and the diffieux comments (L), AO 13: 460
- ; Branstetter, Elmer E.: Integration of Planck's equation by the Laguerre-Gauss quadrature method (T), JOSA 64: 1445
- Johnson, R. H.** See Roberts, H. N., AO 13: 841
- Johnson, R. R.** See Slater, D. C., JOSA 68: 544
- ; Campbell, P. M.; Powers, L. V.; Slater, D. C.: Wavelength scaling of laser fusion experiments (A), JOSA 68: 544
- Johnson, Richard V.**
- Scophony light valve (T), AO 18: 4030
- Temporal response of the acoustooptic modulator: geometrical optics model in the low scattering efficiency limit (T), AO 16: 507
- Temporal response of the acoustooptic modulator: physical optics model in the low scattering efficiency limit (T), AO 17: 1507
- Temporal response of the acoustooptic modulator in the high scattering efficiency regime (T), AO 18: 903
- Johnson, Ronald L.** See O'Keefe, J. D., AO 13: 1141; Schleusener, Stuart A., AO 15: 2546, AO 16: 2615; Speer, R. J., AO 13: 1258
- Johnson, S. A.** See Carlson, L. R., JOSA 66: 846; Solarz, R. W., JOSA 68: 695
- Johnson, W. L.** See Look, D. C., AO 18: 595
- ; Hatcher, C. W.; Hendricks, Charles D.; Letts, S. A.; Lorensen, L. E.: Plasma polymerization coating of D-T filled glass shells for laser fusion targets (A), JOSA 68: 550
- Johnston, Alan R.** See Yeh, Cavour, JOSA 68: 1079; Yeung, Wing F., AO 17: 3703
- Johnston, D. A.** See Carniglia, Charles K., JOSA 65: 1168
- Johnston, George T.** See Harris, Richard J., JOSA 65: 1169, AO 16: 436; Scott, Marion L., AO 18: 2905; Walsh, D. A., AO 15: 25
- ; Dodge, Marilyn J.: Refractive index of gadolinium gallium garnet (A), JOSA 68: 1397
- Wavelength dependence of  $dn/dT$  in infrared-transmitting semiconductor materials (T) (L), AO 16: 1796
- Johnston, J.** See Turk, R. R., AO 18: 957
- Johnston, L. H.**
- Broadband polarization rotator for the infrared (ET), AO 16: 1082
- Johnston, Richard L.** See Fontanella, John, JOSA 67: 255, AO 16: 2949
- Johnston, T. F.**
- ; Kolb, W. P.; Ramsay, I. A.; Romero, C.: Waveguide CO<sub>2</sub> lasers for a space communications transceiver (A), JOSA 66: 383
- Johnston, T. W.** See Mitchel, G. R., AO 18: 2422
- Johnstone, J. R.**
- ; Riggs, Lorrin A.: Upper-velocity threshold for detection of movement (ET), OL 4: 309
- Jolly, E. L.** See Montgomery, M. D., JOSA 68: 543
- Jonathan, J. M.** See Clair, J. J., JOSA 66: 163
- Jones, A. R.** See Hong, N. S., AO 15: 2951
- ; Sarjeant, M.; Davis, C. R.; Denham, R. O.: Application of in-line holography to drop size measurement in dense fuel sprays (E) (L), AO 17: 328
- Jones, Alan L.**
- Fibre Optics: Theory and Practice. By W. B. Allan (B), JOSA 64: 1348
- Jones, C. C.** See Benesch, W., JOSA 68: 432
- ; Benesch, W.; Beiting, E. J., III: Far-infrared-submillimeter spectroscopy of solids (A), JOSA 67: 1431
- ; Benesch, W.: High-resolution spectrum of the  $B^3\Sigma_u^- \rightarrow B^3\Pi_u$  (infrared afterglow) system of N<sub>2</sub> (A), JOSA 66: 1064
- Jones, C. Randy.** See Dougal, Roger A., AO 18: 1311; McDowell, Robin S., OL 4: 274
- ; Telle, John M.; Buchwald, Melvin I.: Optically-pumped isotopic CF<sub>4</sub> lasers (A), JOSA 68: 671
- Jones, D. P.**
- Photomultiplier sensitivity variation with angle of incidence on the photocathode (ET), AO 15: 910
- Jones, Dane R.** See Czworniak, Kenneth J., JOSA 64: 86
- Jones, Eric D.** See Brannon, Paul J., AO 13: 1555; Oyoung, Adelbert, OL 1: 152
- Jones, George D.** See Weinreb, Michael P., JOSA 67: 1377
- Jones, J. R.** See Hackett, W. H., Jr., JOSA 67: 709
- Jones, Kenneth C.** See Munroe, James L., JOSA 67: 1405; Reichelt, W. H., JOSA 68: 543
- ; Munroe, James L.: Optical design of a 100 kJ CO<sub>2</sub> laser-fusion system (A), JOSA 67: 1405
- ; Silvernail, Chester J.: Versatile plane-grating spectrograph (A), JOSA 64: 538
- Jones, M. L.**
- ; Rao, B. S.; Soonpaa, Henn H.: Optical constants of bismuth tellurium sulfide from ellipsometric data (E), JOSA 64: 1591
- Jones, Mike I.** See Krile, Thomas F., JOSA 67: 1435; Marks, Robert J., II, AO 18: 2783
- ; Klingler, John M.; Hagler, Marion O.; Krile, Thomas F.: Implementations of phase-coded reference beams for multiplex holography (A), JOSA 68: 1443
- Jones, R. W.** See Cason, Charles, OL 2: 145
- Jones, Robert A.**
- Fabrication of small nonsymmetric aspheric surfaces (A), JOSA 68: 1444
- Fabrication of small nonsymmetrical aspheric surfaces (E), AO 18: 1244
- Fabrication using the computer-controlled polisher (A), JOSA 67: 1378
- Fabrication using the computer controlled polisher (E), AO 17: 1889
- Optical fabrication using the computer-controlled polisher (A), JOSA 65: 1215
- Optimization of computer controlled polishing (A), JOSA 66: 1134
- Optimization of computer controlled polishing (TE), AO 16: 218
- Jones, Robert E., Jr.**
- Collection properties of generalized light concentrators (T), JOSA 67: 1594
- Jones, Roger C.** See Coleman, Howard S., JOSA 64: 545
- Jones, V. O.** See Rehn, Victor, AO 16: 1111
- Jones, W. A.** See Linford, Gary J., JOSA 68: 548; Wallerstein, Edward Perry, JOSA 68: 548
- Jones, W. B.** See Chun, M. K., AO 16: 1067
- Jones, William E.** See Subbaram, K. V., JOSA 65: 318
- Jopson, R. M.** See Blumberg, W. A. M., JOSA 68: 624
- Jordan, Ray E., Jr.** See Holland, Wayne E., JOSA 65: 1170; Querry, Marvin R., AO 17: 353
- ; Querry, Marvin R.; Holland, Wayne E.; Osbourn, Gordon C.; Coveney, Raymond M., Jr.: Reflectance and complex refractive index of polycrystalline limestone (A), JOSA 65: 1170
- Jordan, Richard C.**
- Solar thermal power conversion systems (A), JOSA 64: 1356
- Jorgensen, S. Worre.** See Andersen, T., JOSA 64: 891
- Jorna, S.** See Mueller, R. K., AO 16: 525
- Jorna, Siebe.** See Brueckner, Keith A., AO 13: 2183
- Jortner, Joshua.** See Ophir, Zohar, JOSA 64: 1175
- Josefowicz, J.**
- ; Hallett, F. R.: Homodyne electrophoretic light scattering of polystyrene spheres by laser cross-beam intensity correlation (E), AO 14: 740



- Joseph, Bernard W.** See Donohue, Robert J., AO 14: 2384
- ; Gara, Aaron D.: Response time of a liquid crystal image transducer (A), JOSA 67: 1445
- ; Gara, Karen D.: Response time of a liquid crystal image (errata), AO 17: 2672
- ; Gara, Aaron D.: Response time of a liquid crystal image transducer (E) (L), AO 17: 1987
- Joseph, P. D.** See Dobrowolski, J. A., AO 16: 1491
- Joshi, Y. N.** See Kushawaha, Vikram S., JOSA 66: 630; van Kleef, Th. A. M., JOSA 67: 472, JOSA 67: 1525, JOSA 69: 132
- Josse, Michel.** See Malacara-Hernandez, Daniel, AO 17: 17
- Joat, S.** See Pernick, B. J., AO 17: 43
- ; Pernick, B. J.: Temporal measurements in the spatial frequency spectrum of liquid crystal image transducers (E), AO 18: 1895
- Jovin, T. M.** See Morris, S. J., AO 18: 303
- Joyce, Alice.** See Joyce, W. B., JOSA 66: 1
- Joyce, R. L.** See Turk, R. R., AO 18: 957
- Joyce, Randy S.** See Beckers, Jacques M., AO 14: 2061
- Joyce, Richard.** See Hall, Donald N. B., AO 14: 450
- Joyce, W. B.**
- Descartes and the corpuscular theory of light (A), JOSA 65: 1175
- ; Joyce, Alice: Descartes, Newton, and Snell's law, JOSA 66: 1
- Joyeux, D.**
- Real time measurement of very small transverse displacements of diffuse objects by random moire. 1: Theory (T), AO 15: 1241
- Real time measurement of very small transverse displacements of diffuse objects by random moire. 2: Experiments (E), AO 15: 1248
- Juang, Ren-Ming.** See Chiang, Fu-Pen, AO 15: 2199
- Juday, R. D.** See Barnett, T. L., AO 16: 967
- Judd, Brian R.**
- Advanced Molecular Quantum Mechanics. By R. E. Moss (B), JOSA 65: 748
- Dynamics of Spectroscopic Transitions, Illustrated by Magnetic Resonance and Laser Effects. By James D. Macomber (B), AO 15: 2941
- Judd, Deane B.**
- ; Nickerson, Dorothy: Relation between Munsell and Swedish Natural Color System scale (T), JOSA 65: 85
- Judish, J. P.** See Chen, C. H., JOSA 68: 716
- Juergensen, Kurt**
- Dispersion minimization in dielectric waveguides: comment on (T) (L), AO 13: 1289
- Dispersion minimum of monomode fibers (T), AO 18: 1259
- Dispersion-optimized optical single-mode glass fiber waveguides (T), AO 14: 163
- Gaussian pulse transmission through monomode fibers, accounting for source linewidth (T), AO 17: 2412
- Transmission of Gaussian pulses through monomode dielectric optical waveguides (T) (L), AO 16: 22
- Julesz, Bela.** See Burt, Peter, JOSA 68: 1365, JOSA 69: 1479; Caelli, Terry, JOSA 69: 675; Tyler, Christopher William, JOSA 68: 1365
- ; Petrig, B.; Buttner, U.: Fast determination of stereopsis in rhesus monkey using dynamic random-dot stereograms (A), JOSA 66: 1090
- Human Stereopsis, A Psychophysical Approach. By W. Lawrence Gulick and Robert B. Lawson (B), JOSA 66: 1140
- ; Petrig, B.; Kropfl, W. J.: Large cortically evoked potentials elicited by dynamic random-dot stereograms and correlograms (A), JOSA 68: 1820
- ; Kropfl, W. J.; Breitmeyer, Bruno G.: Large up-down anisotropy and left-right isotropy between cortical hemifields under cyclopean stimulation (A), JOSA 64: 1403
- Limitations of human texture perceptions (A), JOSA 66: 173
- Visual texture discrimination using random-dot patterns: comment (TE), JOSA 68: 1211
- Juliano, R. A., Jr.** See DeAcetis, Louis A., AO 15: 2866; Einstein, F. S., JOSA 69: 24
- Jull, Edward V.** See Heath, James W., JOSA 68: 1211
- ; Heath, James W.; Ebbeson, Gordon R.: Gratings that diffract all incident energy (T), JOSA 67: 557
- Jung, R. M.** See Chiang, Fu-Pen, JOSA 65: 1196
- Junghans, J.**
- Discharge currents of flashlamp drive circuits (L), AO 18: 3734
- ; Keller, M.; Weber, H. P.: Laser resonators with polarizing elements—eigenstates and eigenvalues of polarization (ET), AO 13: 2793
- ; Keller, M.; Weber, H. P.: Laser resonators with polarizing elements—eigenstates and eigenvalues of polarization: addendum (L), AO 14: 1758
- Juravlev, Gennadii A.** See Cherny, Vladimir V., AO 18: 2909
- Justice, Ben**
- Dimensional stability of low-expansion mirror materials by interferometry (A), JOSA 64: 1383
- Juyal, D. P.**
- Some salient features of a double discharge HF chemical laser using SF<sub>6</sub> and C<sub>3</sub>H<sub>8</sub> mixture (A), JOSA 68: 674
- Kaase, H.**
- ; Stephan, H.-K.: Calibration of radiation detectors in the VUV using a wall-stabilized Ar-cascade arc (E), AO 18: 2275
- Kabanov, M. V.** See Borovoy, A. G., AO 14: 2731
- Kachare, A.**
- ; Soriaga, M. P.; Andermann, G.: Kramers-Kronig dispersion analysis of LiF reflectance data obtained at ambient and low temperatures (ET), JOSA 64: 1450
- Kachmarsky, J.**
- ; Belorgeot, C.; Pluchino, Antonino B.; Moeller, K. D.: Far-infrared high-resolution Fourier transform spectrometer: applications to H<sub>2</sub>O, NH<sub>3</sub>, and NO<sub>2</sub> lines (E), AO 15: 708
- Kachru, R.** See Flusberg, A., JOSA 68: 696
- ; Mossberg, T. W.; Hartmann, S. R.: Carbon monoxide-induced broadening of forbidden 3S-Rydberg S (and D) transitions in Na (A), JOSA 69: 1407
- Kadlec, R. A.** See Massey, G. A., AO 14: 2712
- Kaellne, E.** See Schnopper, H. W., AO 16: 1088
- Kaerkaeinen, T.** See Kauppinen, Jyrki, AO 17: 1587
- Kaestner, Paul T.**
- Electrooptical focus and alignment (L), AO 14: 1051
- Kafri, Oded**
- ; Livnat, Aminadav: Tunable moire grating for optical mapping (E), OL 4: 314
- Kagan, Yu.** See Ludmirsky, A., AO 18: 545
- Kagarise, R. E.**
- Applied Spectroscopy Reviews.—Volume 8, Part B. Edited by Edward G. Brame, Jr. (B), AO 14: 2025
- Kahl, G. D.**
- Mach-Zehnder data reduction method for refractively inhomogeneously test objects: comments (T) (L), AO 14: 2336
- Kahn, W. K.**
- ; Shah, H. K.: Gaussian beams in gradient index fibers viewed as coherent states (A), JOSA 69: 1473
- Kaiser, P.** See Cherin, Allen H., AO 13: 2359; Tasker, G. W., AO 17: 1836
- Contamination of furnace-drawn silica fibers (E), AO 16: 701
- Drawing-induced coloration in vitreous silica fibers (E), JOSA 64: 475
- ; Hart, A. C., Jr.; Blyler, L. L., Jr.: Low-loss FEP-clad silica fibers (E), AO 14: 156
- ; Hart, A. C., Jr.; Blyler, L. L., Jr.; Astle, H. W.: Low-loss, fluorocarbon-polymer-clad silica fibers (A), JOSA 64: 526
- ; Astle, H. W.: Measurement of spectral total and scattering losses in unclad optical fibers (ET), JOSA 64: 469
- ; Presby, Herman M.; Tasker, G. W.; Simpson, J. R.; French, William G.: Single-mode fibers with different B<sub>2</sub>O<sub>3</sub>-SiO<sub>2</sub> compositions (A), JOSA 67: 707
- Kaiser, Peter K.** See Comerford, James P., JOSA 65: 466
- Color in Business, Science and Industry. By Deane B. Judd and Gunter Wyszecki (B), JOSA 66: 637
- Colour 73 (B), JOSA 64: 1349
- ; Blick, Dennis W.; Tuttle, J. R.; Brown, John Lott: Flicker fusion of opponent and nonopponent LGN cells in macaque (A), JOSA 67: 1379
- ; Comerford, James P.; Biggin, P. A.: Least purity difference perceptible near spectrum locus as a function of wavelength (A), JOSA 64: 1386
- Perception of Color. By Ralph M. Evans (B), JOSA 65: 1083
- ; Kinney, Jo Ann S.: Problems with heterochromatic photometry (A), JOSA 64: 1374
- ; Comerford, James P.; Bodinger, Deborah M.: Saturation of spectral lights (E), JOSA 66: 818
- Kaiser, W.** See Laubereau, A., JOSA 68: 680
- ; Seilmeier, A.; Laubereau, A.: Ultrafast two-step spectroscopy. a new method to measure energy states in S<sub>0</sub> and S<sub>1</sub> of large polyatomic molecules (A), JOSA 68: 680
- Kajimura, T.**
- ; Kuroda, T.; Yamashita, S.; Nakamura, M.; Umeda, J.: Transverse-mode stabilized Ga<sub>1-x</sub>Al<sub>x</sub>As visible diode lasers (E), AO 18: 1812
- Kajioka, H.** See Mikoshiba, Koichi, AO 17: 2836
- Kajitani, M.** See Aoki, F., JOSA 67: 709
- Kajiyama, Kenji.** See Urisu, Tsuneo, AO 17: 2366
- Kak, A. C.** See Crawford, C. R., AO 18: 3704
- Holography in Medicine. Edited by Pal Greguss. (B), AO 16: 794
- Kakuchi, Masami**
- Cell-type optical circuitry fabrication (E) (L), AO 16: 547
- Kakui, Yoshimi.** See Sato, Takuzo, JOSA 67: 1363, AO 17: 3798
- Kalafus, R. M.** See DiMarzio, C. A., JOSA 68: 541
- Kaldor, Andrew.** See Rabinowitz, P., OL 3: 147, AO 15: 2005; Stein, A., OL 3: 97
- Chemical and Biochemical Applications of Lasers, Volume 1. Edited by C. B. Moore (B), AO 14: 2311
- ; Rabinowitz, P.; Cox, D. M.; Horsley, J. A.; Brickman, R.: Laser chemistry experiments with UF<sub>6</sub> (A), JOSA 68: 684
- Kalestynski, A.**
- Enhancement of multiple images by sampling spatial filtering using additional auxiliary sampling (TE), JOSA 65: 1443
- Fraunhofer hologram for image multiplication by amplitude sampling spatial filtering (ET), AO 15: 1639
- Increasing the holographic matched filter information capacity (T), AO 16: 3027
- ; Smolinska, B.: Inverse sampling spatial filtering as a method of image multiplication (T) (L), AO 16: 24
- Multiple imaging by a sampling spatial filter (T) (L), AO 14: 2343
- Multiplying lensless Fourier holograms recorded using a multibeam reference light field (ET) (L), AO 15: 853
- ; Smolinska, B.: Spatial frequency sampling by phase modulation as a method of generating multiple images (E), AO 16: 2261
- Kalhor, H. A.**
- Diffraction of electromagnetic waves by plane metallic gratings (T), JOSA 68: 1202
- Kalibjian, R.** See Coleman, Lamar W., JOSA 68: 547
- Kalish, E. N.** See Arnautov, G. P., AO 13: 310
- Kalk, Franklin D.**
- ; Forsyth, James M.: Contributions to information and noise in zone plate coded imaging from various recording media (A), JOSA 69: 1415
- Kallis, James M.** See Baily, Philip K., JOSA 64: 1359
- Kalmbach, S. H.** See Crittenden, Eugene C., Jr., JOSA 68: 539
- Kamata, Hiromi.** See Ikeda, Mitsuo, JOSA 68: 1400
- Kamath, Narayana S.** See Tai, Ming-Hing, AO 14: 2533
- Kambayashi, T.** See Iga, Kenichi, JOSA 69: 1482; Suematsu, Yasuharu, JOSA 66: 288
- Kambe, Naotake.** See Boynton, Robert M., JOSA 68: 1387
- Kamegai, Minao**
- Laser Doppler interferometer: analysis (T) (L), AO 13: 1997
- Kamegaya, Takeo.** See Yokozawa, Minoru, JOSA 64: 396
- Kamentsky, Louis A.**
- Flow-systems diagnostic technology (A), JOSA 66: 381
- Kamga, Francois.** See Sceats, Mark G., JOSA 69: 1477
- Kamijo, T.** See Yasuhira, T., AO 16: 2532
- Kaminow, Ivan P.** See Bowden, Murree J., AO 13: 112; Carruthers, J. R., AO 13: 2333; Cohen, Leonard G., JOSA 67: 707; Presby, Herman M., AO 15: 3029, AO 17: 3530; Ramaswamy, V., JOSA 68: 1408



- Laser Applications, Volume 2. Edited by Monte Ross (B), AO 13: 12A19
- ; Mammel, Wanda L.; Weber, H. P.: Metal-clad optical waveguides: analytical and experimental study (TE), AO 13: 396
- ; Presby, Herman M.: Profile synthesis in multimode glass optical fibers (A), JOSA 66: 1101
- ; Presby, Herman M.: Profile synthesis in multimode glass optical fibers (T), AO 16: 108
- Quantum Electronics. Edited by Herbert Rabin and C. L. Tang (B), JOSA 66: 868
- ; Ramaswamy, V.: Single polarization optical fibers: slab model (A), JOSA 68: 1407
- ; Presby, Herman M.; MacChesney, J. B.; O'Connor, P. B.: Ternary fiber glass composition for minimum modal dispersion over a range of wavelengths (A), JOSA 67: 709
- Kamiya, Takeshi.** See Iiyama, Michitomo, AO 17: 1965; Kodate, K., AO 14: 522; Ulrich, R., JOSA 68: 583; Yamamoto, Y., AO 14: 322
- Kammlott, G. W.** See Johnson, L. F., AO 17: 1165
- Kamp, A. W.** Interpretation of IR scanning radiometer data (E), AO 18: 82
- Kamperman, T. M.** See Hoekstra, R., JOSA 66: 1096, AO 17: 604
- Kandel, Gilray L.** See Geri, George A., JOSA 68: 1399, JOSA 69: 1478
- Kane, W. T.** Microbeam Analysis Society, 9th annual conference, Carleton University, 22-26 Jul 1974 (M), AO 14: 798
- Kang, M. H.** —; Chang, T. Y.; Damen, T. C.; Burkhardt, E. G.; Nguyen, Van Tran: Two-photon resonance-enhanced third harmonic generation in deuterium chloride (A), JOSA 68: 706
- Kano, Satoru.** See Matsushima, Fusakazu, JOSA 68: 647
- Kanstad, S. O.** —; Wang, G.: Laser resonators folded by diffraction gratings (T), AO 17: 87
- ; Wang, G.: Laser resonators folded by diffraction gratings (errata), AO 18: 142
- Kanzaki, N.** See Kawabe, M., AO 17: 2556
- Kao, C. K.** —; Maklad, Mokhtar S.; Schurr, V.: Fatigue strength of strong fibers at high temperatures (A), JOSA 67: 706
- Kao, Cheng C.** Detecting periodic signals by a doubly applied autocorrelation (A), JOSA 64: 1402
- ; Lewis, R. B.: Dynamic latent-image formation in xeroradiography (A), JOSA 65: 1189
- Kao, Kwan C.** See Elsharkawi, A. R., JOSA 65: 1269; Sueda, Hachiro, AO 18: 3990
- Kapany, Narinder S.** See Unterleitner, F. C., AO 15: 2033
- Novel nontracking solar collectors (A), JOSA 66: 1059
- Kapetanakis, C. A.** See Eden, J. Gary, JOSA 68: 1646
- Kaplan, H.** —; Palik, E. D.; Kaplan, R.; Gammon, Robert W.: Calculation of attenuated-total-reflection spectra of surface magnetoplasmons on semiconductors (TE), JOSA 64: 1551
- Kaplan, Lewis D.** —; Chahine, Moustafa T.; Susskind, Joel; Searl, James E.: Spectral band passes for a high precision satellite sounder (T), AO 16: 322
- Kaplan, R.** See Kaplan, H., JOSA 64: 1551
- Kaplan, R. A.** See Cohen, M. G., JOSA 66: 380
- Kaplit, M.** See Gara, Aaron D., JOSA 69: 373
- Kapon, Eli.** See Streifer, William, AO 18: 3724
- Kapp, I.** See Daehne, S., JOSA 68: 683
- Kapron, Felix P.** See Abe, Koichi, JOSA 67: 1373; Lukowski, Tom I., JOSA 67: 1185
- Inhomogeneous Optical Waveguides. By M. S. Sodha and A. K. Ghatak (B), AO 17: 1478
- ; Lukowski, Tom I.: Monomode dispersion for fibers with parabolic step- and index profiles (A), JOSA 67: 1373
- ; Lukowski, Tom I.: Monomode fiber design: power containment (T), AO 16: 1465
- Signaling in monomode fibers (A), JOSA 69: 1457
- Kar, A.** See Kundu, P., AO 17: 138
- Karangelen, N. E.** See Reintjes, J. F., JOSA 67: 251
- Karatsu, Osamu** Optical measurement of the IC photomask pattern area (ET), AO 18: 2159
- Karawacki, Ernest.** See Gustafsson, Silas E., AO 14: 1105
- Karayan, Wahe W.** High-resolution optical telescope for Fourier transform spectroscopy in the infrared radiation field (A), JOSA 69: 1440
- Karcher, T.** See Kopeika, N. S., AO 18: 3513
- Kardux, W.** —; Krusemeyer, H. J.: Double-beam two-channel wavelength-modulated reflectometer (E), AO 13: 2704
- Kare, J.** See Ezekiel, Shaoul, JOSA 68: 647
- Karim, Mohammad A.** See Liu, Hua-Kuang, JOSA 69: 1442, OL 4: 408
- Karl, R. R., Jr.** —; Innes, K. K.: Tunable-dye-laser-induced enrichment of nitrogen and carbon isotopes (A), JOSA 65: 1181
- Karlau, J.** See Gudat, W., AO 13: 1412
- Karlov, N. V.** See Akulin, V. M., JOSA 68: 694; Zoroslov, D. Yu., JOSA 68: 669
- ; Karpov, N. A.; Krynetskii, B. B.; Mishin, V. A.; Prokhorov, A. M.; Stei'makh, O. M.: Investigation of the collisional processes in the laser isotope separation (A), JOSA 68: 686
- Laser-induced chemical reactions (R), AO 13: 301
- ; Krynetskii, B. B.; Mishin, V. A.; Prokhorov, A. M.: Laser isotope separation of rare earth elements (E), AO 17: 856
- Karnas, C. P.** See Farrow, L. A., AO 18: 76
- Karo, Douglas P.** See Schneiderman, Arthur M., JOSA 66: 1077, JOSA 67: 1390, JOSA 68: 338, JOSA 68: 348, JOSA 69: 717
- ; Schneiderman, Arthur M.: Laboratory simulation of stellar speckle interferometry (E), AO 18: 828
- ; Schneiderman, Arthur M.: Lens atmosphere MTF measurements (A), JOSA 66: 182
- ; Schneiderman, Arthur M.: Nonstationarity of the atmospheric transfer function (A), JOSA 66: 1065
- ; Schneiderman, Arthur M.: Speckle interferometry at finite spectral bandwidths and exposure times (E), JOSA 68: 480
- ; Schneiderman, Arthur M.: Speckle interferometry lens-atmosphere MTF measurements (E), JOSA 66: 1252
- ; Schneiderman, Arthur M.: Speckle interferometry with severely aberrated telescopes (E) (L), JOSA 67: 1277
- ; Schneiderman, Arthur M.: Transfer functions, correlation scales, and phase retrieval in speckle interferometry (E), JOSA 67: 1583
- ; Schneiderman, Arthur M.: Wavelength, bandpass, and exposure time effects in speckle interferometry (A), JOSA 67: 1390
- Karoli, A. R.** See Hickey, John R., AO 13: 523
- CORM, sixth annual meeting, National Bureau of Standards, 7 June 1977 (M), AO 16: 2587
- Council for Optical Radiation Measurement, fifth annual meeting, National Bureau of Standards, 2-3 Jun 1976 (M), AO 15: 2009
- ; Hickey, John R.; LeBlanc, L. R.: Low-temperature blackbody for calibrating wide-field-of-view radiometers (A), JOSA 64: 546
- Karp, Sherman** Statistical properties of ensembles of classical wave packets (T), JOSA 65: 421
- Test for the nonexistence of photons (T), JOSA 66: 1421
- "Test for the nonexistence of photons" and "photoelectric counting measurements as a test for the existence of photons" (T) (L), JOSA 69: 1309
- Karpov, N. A.** See Karlov, N. V., JOSA 68: 686
- Karr, M. A.** See Chen, F. S., JOSA 66: 391, AO 17: 2219
- ; Rich, T. C.; DiDomenico, M. D., Jr.: Lightwave fiber tap (E), AO 17: 2215
- ; Chen, F. S.; Shumate, P. W., Jr.: Output power stability of GaAlAs laser transmitters using an optical tap for feedback control (E), AO 18: 1262
- Kartachevskaya, V. E.** —; Korte, H.; Robertson, A. R.: International comparison of measurements of luminance factor and reflectance of white diffusing samples (E), AO 14: 2694
- ; Korte, H.; Robertson, A. R.: International comparison of measurements of luminance factor and reflectance of white diffusing samples (errata), AO 15: 603
- Kartalopoulos, S. V.** See Raftopoulos, D. D., AO 18: 2975
- Kasday, Leonard R.** Nonlinear spatial-frequency-channel model of brightness perception (A), JOSA 65: 1185
- Test of a single channel, spatiotemporal model of multiple spatial frequency channel phenomena (A), JOSA 68: 1454
- Kashima, Norio** —; Uchida, Naoya: Excess loss caused by a lossy outer layer in multimode optical fibers (ET), AO 16: 1038
- ; Uchida, Naoya: Excess loss caused by an outer layer in multimode step-index fibers: experiment (ET), AO 16: 1320
- ; Uchida, Naoya; Ishida, Yukinori: Excess loss caused by the outer layer in a multimode step-index optical fiber (T), AO 16: 2732
- ; Uchida, Naoya: Transmission characteristics of graded-index optical fibers with a lossy outer layer (TE), AO 17: 1199
- Kashiwagi, Hiroshi.** See Sato, Takuzo, JOSA 67: 1363, AO 17: 3798; Suzuki, Yoshihiro, AO 13: 1, AO 15: 2032
- Kashnow, R. A.** See Bigelow, J. E., AO 16: 2090
- Kasper, Frank G.** Computation of light transmitted by a thick grating, for application to contact printing (T), JOSA 64: 1623
- Kasper, J.** See Pollock, C. R., AO 18: 1907
- ; Pollock, C. R.; Ernst, W. E.; Ernst, G. K.; Ketkar, S.; Blit, S.; Tittel, F. K.: Computer controlled cw visible-UV laser spectrometer (A), JOSA 68: 1357
- Kassai, D.** —; Marom, Emanuel: Aberration-corrected rounded-edge geodesic lenses (T), JOSA 69: 1242
- Kassal, Thomas** Resonant fluorescent scattering of solar radiation by the fourth positive band system of CO (T), AO 14: 1513
- Kassman, A. J.** See Kerker, Milton, AO 17: 3030
- Kassner, J. L., Jr.** See Suck, S. H., AO 18: 2609
- Kast, John W.** Scanning Kirkpatrick-Baez x-ray telescope to maximize effective area and eliminate spurious images; design (T), AO 14: 537
- Kasten, F.** See Jaenicke, R., AO 17: 2617
- ; Raschke, E.: Reflection and transmission terminology by analogy with scattering (L), AO 13: 460
- Kastner, Hans.** See Nagel, Max R., AO 13: 1946
- Kastner, R.** See Kopeika, N. S., AO 15: 1610
- Kastner, Sidney O.** See Swartz, M., JOSA 66: 240
- ; Wade, C., Jr.: Aspheric grating for extreme ultraviolet astronomy (T), AO 17: 1252
- Energy levels of  $1s^2 2s^2 2p^4$  configurations in the C I and N I sequences in S, Cl, Ar, K, Ca (E) (L), JOSA 64: 397
- ; Bhatia, A. K.: Level structure and predicted intercombination lines in magnesium-like V XII, Cr XIII, Mn XIV, and Co XVI (T) (L), JOSA 69: 1391
- ; Swartz, M.; Bhatia, A. K.; Lapides, J.: Observations of  $n = 3 \rightarrow n' = 4$  transitions in the Mg I and Si I sequences for elements chromium through zinc (TE), JOSA 68: 1558
- ; Wolf, M. L.: Polarizabilities of highly ionized atoms (T), JOSA 69: 1279
- Ray-tracing the convex curved crystal x-ray spectrograph (TE), AO 18: 374
- Kasvand, T.** See Abdelmalek, N. N., AO 18: 1684
- Kataoka, K.** See Tsunoda, Yoshito, AO 15: 1398
- Katayama, T.** See Takahashi, A., JOSA 68: 1254
- Katiyar, R. S.** See Barbosa, G. A., JOSA 68: 610; Megusar, R., JOSA 65: 22
- Kato, Daisuke** —; Lamont, Robert G.: Isotopic chemical vapor deposition of fused silica and high-silica-content glasses for the production of low-loss optical waveguides (E) (L), AO 16: 1453
- Kato, Hisatoyo** —; Goodman, Joseph W.: Nonlinear filtering in coherent optical systems through halftone screen processes (ET), AO 14: 1813
- Kato, Isamu** —; Iwasaki, Akira; Adachi, Akihiro; Shimizu, Tsukasa: Calculations of line absorption for the Voigt profile (T) (L), JOSA 68: 1008
- ; Iwasaki, Akira; Yonehara, Akifumi; Shimizu, Tsukasa: Time variation of the concentration of helium metastable atoms in He-Kr<sup>+</sup> ion laser (E), JOSA 69: 175
- Kato, Makoto.** See Nakayama, Yoshikazu, JOSA 69: 1367; Sato, Isao, JOSA 65: 856



- ; Nakayama, Yoshikazu; Suzuki, Tatsuro: Speckle reduction in holography with a spatially incoherent source (E), AO 14: 1093
- Speckle-suppressed holography with spatially incoherent source (TE), JOSA 64: 1507
- Kato, Yoshiaki.** See Kishida, S., JOSA 68: 631; Stoicheff, B. P., JOSA 65: 1180
- ; Zdziusik, G. A.: Absolute measurements of Brillouin-scattering efficiencies of molecular liquids (E), JOSA 65: 995
- ; Mizumoto, Y., Yoshida, K.; Yamanaka, C.: Gekko IV: a four-beam phosphate glass laser system (A), JOSA 68: 542
- ; Stoicheff, B. P.: Two-photon absorption to highly excited  $D$  states of Rb atoms (ET) (L), JOSA 66: 490
- Katritzky, A. R.**  
Theory and Practice of Infrared Spectroscopy. By N. L. Alpert, W. E. Keiser, and H. A. Szymanski (B), AO 13: 2177
- Katsuragi, Seiichi.** See Ohtsu, Motoichi, JOSA 69: 1458
- Katsuyama, Yutaka**  
—; Mochizuki, Satoshi; Ishihara, Koushi; Miyashita, Tadashi: Single-mode optical fiber cable (E), AO 18: 2232
- Kattawar, George W.** See Guinn, John A., Jr., AO 18: 842; Hitzfelder, Stephen J., AO 15: 2489; Plass, Gilbert N., AO 14: 1924, AO 15: 1003, AO 15: 3161, AO 16: 643, AO 17: 1432
- ; Plass, Gilbert N.: Asymptotic radiance and polarization in optically thick media: ocean and clouds (T), AO 15: 3166
- ; Plass, Gilbert N.: Asymptotic radiance and polarization in optically thick media: ocean and clouds; erratum (errata), AO 16: 1130
- ; Hood, Dan A.: Electromagnetic scattering from a spherical polydispersion of coated spheres (T), AO 15: 1996
- ; Plass, Gilbert N.; Hitzfelder, Stephen J.: Multiple scattered radiation emerging from Rayleigh and continental haze layers. 1: Radiance, polarization, and neutral points (T), AO 15: 632
- ; Humphreys, Terry J.: Remote sensing of chlorophyll in an atmosphere—ocean environment: a theoretical study (T), AO 15: 273
- Three-parameter analytic phase function for multiple-scattering calculations (A), JOSA 64: 1390
- Katti, P. K.**  
—; Mehta, P. C.: Noise elimination technique in holography (E), AO 15: 530
- Katz, J.** See Marom, Emanuel, JOSA 66: 1085, AO 16: 1400
- ; Marom, Emanuel: Nonlinear recording in holographic interferometry (TE), JOSA 69: 696
- Katz, Lenore.** See Wooten, Billy R., JOSA 67: 1362
- Katz, U.** See Mack, E. J., JOSA 67: 257
- Katzir, A.** See Agmon, P., AO 16: 2612; Livanos, Alexander C., AO 16: 1633
- ; Livanos, Alexander C.: Chirped gratings and their applications in integrated optics (A), JOSA 68: 1364
- Katzka, P.** See Chang, I. C., JOSA 68: 1449
- Katzper, Meyer**  
Theological optics: 1. Classical rebuttal (L), AO 15: 323
- Kaufman, Thomas.** See Ratliff, Floyd, JOSA 69: 1444
- Kaufman, Victor.** See Artru, Marie-Christine, JOSA 65: 594; Cowan, Robert D., JOSA 64: 1474; Radziemski, Leon J., Jr., JOSA 64: 366; Sugar, Jack, JOSA 64: 1656, JOSA 69: 141
- ; Sugar, Jack: Analysis of the spectrum of four-times-ionized lutetium (Lu V) (TE), JOSA 68: 1529
- ; Sugar, Jack: Competition between  $4f$  and  $5p$  electrons in the  $4f^{13}5p^2$  isoelectronic sequences (A), JOSA 68: 1446
- ; Sugar, Jack: Resonance transition array of Yb IV (ET), JOSA 66: 439
- ; Artru, Marie-Christine; Brillet, Wan-U Lydia: Revised analysis of the  $2p^{3/2}_{3/2}$ ,  $3p$ ,  $3d$ , and  $4s$  configurations of triply ionized aluminum (Al IV) (ET), JOSA 64: 197
- ; Radziemski, Leon J., Jr.: Sixth spectrum of uranium (U VI) (ET), JOSA 66: 599
- ; Sugar, Jack: Spectra of Hf V through Re VIII (A), JOSA 64: 1370
- ; Sugar, Jack: Spectrum and energy levels of five-times ionized tantalum (Ta VI), JOSA 65: 984
- ; Hagan, Lucy: Spectrum and energy levels of singly ionized aluminum (Al II) (E), JOSA 69: 1403
- ; Sugar, Jack: Wavelengths, classifications, and ionization energies in the isoelectronic sequences from Yb II and Yb III through Bi XV and Bi XVI (E), JOSA 66: 1019
- Kaufman, Yoram J.**  
High gain IR laser in passive Q-switching: operating criterion (TE), AO 15: 1535
- ; Ruschin, Shlomo; Oppenheim, Uri P.: Nonlinear absorption of  $SE_6$  at high infrared intensities and high pressures (ET), AO 16: 1187
- Passive-Q-switching at high intensities and high absorber pressures (E), AO 15: 1530
- ; Oppenheim, Uri P.: Rate equations of high gain lasers and determination of laser parameters (ET), AO 13: 374
- ; Gersten, Alexander: Simultaneous heating and temperature measurements by an infrared laser beam (TE), AO 15: 353
- ; Oppenheim, Uri P.: Time-resolved molecular excitation and heat effects induced by infrared radiation (E), AO 16: 1931
- Kaufmann, E. N.**  
—; Aspnes, D. E.; Rodgers, J. W.; Studna, A. A.: Dielectric function measurements on ion-implanted metallic systems (E), JOSA 67: 1099
- Kaufmann, G. H.**  
—; Ennos, A. E.; Pugh, D. J.: Electro-optical read-out system for analysis of speckle photographs (A), JOSA 69: 1422
- Kaul, R. Dean**  
Measurement of excitation cross section of the  $6^3P_1$  state of Hg using self-calibrating apparatus (TE), JOSA 69: 150
- Kaup, D. J.** See Hmurcik, L. V., JOSA 69: 597, JOSA 69: 1633
- Kauppinen, Jyrki**  
—; Kaerkkainen, T.; Kyro, E.: Correcting errors in the optical path difference in Fourier spectroscopy: a new accurate method (TE), AO 17: 1587
- Double-beam high resolution Fourier spectrometer for the far infrared (E), AO 14: 1987
- Working resolution of  $0.010\text{ cm}^{-1}$  between  $20\text{ cm}^{-1}$  and  $1200\text{ cm}^{-1}$  by a Fourier spectrometer (E), AO 18: 1788
- Kaur, Jasit.** See Akylas, Victor, AO 13: 742
- Kavaya, Michael J.**  
—; Margolis, Jack S.; Shumate, Michael S.: Optoacoustic detection using Stark modulation (E), AO 18: 2602
- Kaveh, M.** See Huang, Thomas S., JOSA 65: 1203
- Kawabe, M.**  
—; Kanzaki, N.; Masuda, K.; Namba, S.: Effects of ion etching on the properties of GaAs (E), AO 17: 2556
- Kawabuchi, M.** See Fukumoto, A., AO 14: 812
- ; Fukumoto, A.; Hayami, H.: Compensating the nonlinearity in the diffraction angle in  $TeO_2$  abnormal Bragg deflectors (ET) (L), AO 14: 15
- Kawachi, M.** See Horiguchi, M., AO 17: 2570; Kawana, Akio, OL 2: 106
- Kawai, Masaharu.** See Takahashi, Toshihito, AO 15: 546
- Kawakami, Shojiro.** See Miyagi, Mitsunobu, AO 17: 3238; Nagano, Kuzuo, AO 17: 2080; Ogusu, Kazuhiko, AO 18: 908, AO 18: 3725
- ; Miyagi, Mitsunobu; Nishida, Shigeo: Bending losses of dielectric slab optical waveguide with double or multiple claddings: theory (T), AO 14: 2588
- ; Miyagi, Mitsunobu; Nishida, Shigeo: Bending losses of dielectric slab optical waveguide with double or multiple claddings: theory (errata), AO 15: 1681
- Mode conversion losses of randomly bent, singly and doubly clad waveguides for single mode transmission (T), AO 15: 2778
- Relation between dispersion and power-flow distribution in a dielectric waveguide (T), JOSA 65: 41
- Kawakyu, Yoshito.** See Iga, Kenichi, JOSA 69: 1404
- Kawamura, Y.** See Matoba, M., JOSA 68: 670
- Kawana, Akio.** See Murakami, Yasuji, AO 18: 1101
- ; Kawachi, M.; Asatani, K.; Miyashita, Tadashi; Saruwatari, Masatoshi; Yamada, Jun-ichi; Oe, K.: Pulse broadening in long-span single-mode fibers around a material-dispersion-free wavelength (E), OL 2: 106
- Kawara, Tetsuo**  
Corneal topography using moiré contour fringes (E), AO 18: 3675
- Kawasaki, Brian S.** See Hill, Kenneth O., JOSA 66: 1114, JOSA 67: 1361, JOSA 68: 1627; Johnson, Derwyn C., AO 17: 3032
- ; Johnson, Derwyn C.; Fujii, Y.; Hill, Kenneth O.: Bandwidth-limited operation of a mode-locked Brillouin parametric oscillator (A), JOSA 68: 663
- ; Hill, Kenneth O.; Johnson, Derwyn C.: Characteristics of a fiber-optic Raman laser (E), AO 16: 1239
- ; Hill, Kenneth O.; Johnson, Derwyn C.; Tenne-Sens, Andrew U.: Full duplex optical link using single-strand multimode fiber (A), JOSA 67: 1372
- ; Hill, Kenneth O.; Johnson, Derwyn C.; Tenne-Sens, Andrew U.: Full duplex transmission link over single-strand optical fiber (E), OL 1: 107
- ; Hill, Kenneth O.: Low-loss access coupler for multimode optical fiber distribution networks (E) (L), AO 16: 1794
- ; Hill, Kenneth O.; Johnson, Derwyn C.; Fujii, Y.: Narrow-band Bragg reflectors in optical fibers (E), OL 3: 66
- Kawata, S.** See Tokumitsu, J., AO 17: 2655
- Kay, David B.**  
Tomographic image reconstruction of radionuclide sources (A), JOSA 64: 1378
- ; Wheelless, Leon L., Jr.: X-Y-Z slit-scan flow system (A), JOSA 69: 1446
- Kaye, A. L.** See Johnson, P. G., AO 17: 442
- Kaye, Martin G.**  
Context manipulates stereoscopic depth perception (A), JOSA 65: 1180
- Qualitative stereopsis fails again: more on form insensitivity (A), JOSA 67: 1400
- Kaye, R. J.** See Verdeyen, J. T., JOSA 68: 546
- Kaye, Wilbur**  
—; McDaniel, J. B.: Low-angle laser light scattering—Rayleigh factors and depolarization ratios (E), AO 13: 1934
- Resolution and stray light in near infrared spectroscopy (E), AO 14: 1977
- Kazandjian, A.** See Shewchun, J., AO 15: 340
- Keck, Donald B.** See Olshansky, Robert, JOSA 67: 707, AO 15: 483
- Inhomogeneous Optical Waveguides. By M. S. Sodha and A. K. Ghatak (B), JOSA 68: 1287
- ; Maurer, R. D.: Optical fiber transmission lines (A), JOSA 66: 291
- Progress in graded-index optical waveguides (A), JOSA 67: 706
- Spatial and temporal power transfer measurements on a low-loss optical waveguide (E), AO 13: 1882
- Theory of Dielectric Optical Waveguides. By Dietrich Marcuse (B), AO 14: A69
- Keefe, D.**  
Heavy-ion fusion at Lawrence Berkeley Laboratory (A), JOSA 68: 546
- Keegan, J. J.** See Allebach, J. P., JOSA 68: 1440
- Keeling, M. C.** See Sopori, B. L., AO 18: 605
- Keenan, Peter B.**  
Chromaticity and luminous efficiency of phase imaging systems (TE), AO 16: 3154
- Keene, J.**  
—; Hildebrand, R. H.; Whitcomb, S. E.; Winston, Roland: Compact infrared heat trap field optics (ET), AO 17: 1107
- Keene, W. H.** See Jelalian, A. V., JOSA 64: 539
- Keicher, William.** See Casasent, David, JOSA 64: 1575
- Keirns, Mary H.**  
—; Colson, Steven D.: Analysis of the hyperfine structure of the mercury  $6^3D_3$  yields  $6^3P_2$  transition (E), JOSA 65: 1413
- Kelleher, Daniel E.** See Mahon, Rita, OL 4: 360
- Kellen, P. F.** See Miller, M. G., JOSA 65: 779, JOSA 66: 79; Schneiderman, Arthur M., JOSA 65: 1287
- ; Smith, M. J.: Mode properties of unstable resonators with transverse refractive index variation (A), JOSA 67: 1391
- Keller, M.** See Junghans, J., AO 13: 2793, AO 14: 1758
- Keller, Ole**  
Sound-induced anomalous transmission of light through semiconducting crystals below the plasma edge (T), JOSA 68: 42
- Keller, Rene**  
—; Salathe, Rene; Tschudi, Theo; Voumard, Claude: Michelson interferometer for detection of fast displacements of less than a quarter-wave over small areas (E), AO 14: 616
- Keller, Richard A.** See Zalewski, Edward F., JOSA 68: 1389



- Dye Lasers.** Edited by F. P. Schafer (B), JOSA 64: 1022
- ; Engleman, Rolf, Jr.; Zalewski, Edward F.: Opto-galvanic spectroscopy in a uranium hollow cathode discharge (E), JOSA 69: 738
- Kelley, C. Stuart**
- ; Bremer, James C.: Determination of areas and temperatures from composite blackbody spectra (T), JOSA 65: 559
- Effective infrared optical depths associated with the clear ocean (T), AO 17: 3054
- Kelley, Paul L.**
- Optical Properties of Semiconductors, Volume 75. Edited by N. G. Basov; translated from the Russian by Albin Tybulewicz (B), JOSA 67: 852
- Radiative Recombination in Semiconducting Crystals, Volume 68. Edited by D. V. Skobel'syn; translated from the Russian by Albin Tybulewicz (B), JOSA 67: 852
- Tunable infrared lasers and their applications (A), JOSA 66: 1079
- Vibrational Spectra and Structure. A Series of Advances, Volume 4. Edited by James R. Durig (B), JOSA 66: 1444
- Kellman, Peter.** See Goodman, Joseph W., AO 16: 733
- ; Goodman, Joseph W.: Coherent optical implementation of 1-D Mellin transforms (TE) (L), AO 16: 2609
- ; Leonard, Steve; Barrett, Eamon B.: Digital hologram reconstruction of radio telescope data (E) (L), AO 16: 1113
- Kelly, A. A.** See Wijnbergen, J. J., AO 13: 2716
- Kelly, D. H.**
- Differences between red and green color-mechanism characteristics: interaction or artifact? (E) (L), JOSA 66: 1430
- Effects of the cone-cell distribution on pattern-detection experiments (T), JOSA 64: 1523
- Method of stabilizing retinal images (A), JOSA 65: 1184
- Motion and vision. II. Stabilized spatio-temporal threshold surface (TE), JOSA 69: 1340
- Motion and vision. I. Stabilized images of stationary gratings (E), JOSA 69: 1266
- No oblique effect in chromatic pathways (E), JOSA 65: 1512
- Photopic contrast sensitivity without foveal vision (ET), OL 2: 79
- Retinal image motion: the key to vision (A), JOSA 68: 1413
- Spatio-temporal frequency characteristics of color-vision mechanisms (E), JOSA 64: 983
- ; Savoie, R. E.: Theory of flicker and transient responses. III. An essential nonlinearity (TE), JOSA 68: 1481
- ; van Norren, D.: Two-band model of heterochromatic flicker (E), JOSA 67: 1081
- Kelly, John H.**
- ; Brown, David C.: Dynamic model of xenon-pumped Nd:glass large-aperture amplifiers (A), JOSA 69: 1446
- Kelly, M. J.** See Monchalin, J.-P., OL 1: 5, OL 1: 140
- ; Thomas, J. E.; Kurnit, N. A.; Javan, Ali: Observation of the anomalous Zeeman effect in  $^{12}\text{CO}_2$  and  $\text{N}_2\text{O}$  (A), JOSA 65: 1163
- Kelly, Raymond L.**
- Annual Reports on Analytical Atomic Spectroscopy, Volume 4. Edited by C. Woodward (B), JOSA 66: 506
- Atomic Energy Levels; The Rare Earth Elements. By W. C. Martin, Romuald Zalubas, and Lucy Hagan (B), JOSA 69: 1188
- Kelly, Robert E.** See Valley, George C., AO 18: 2728
- Kelly, Susan A.**
- ; Sturr, Joseph F.: Size-dependent changes in temporal integration on flashed and steady adapting fields (A), JOSA 69: 1487
- Kelsall, Dennis**
- Optical measurements of degradation in aircraft boundary layers (A), JOSA 69: 1409
- Kelton, Phillip.** See Vogt, Steven S., AO 17: 574
- Kempler, K.** See Harms, H., AO 15: 799
- Kenan, Richard P.**
- Diffraction efficiency for crossed-beam gratings away from Bragg incidence (A), JOSA 68: 1440
- ; Hartman, N. F.: Metallized photoresist surface gratings for integrated optics (A), JOSA 67: 1393
- ; Vahey, David W.: Techniques for the measurement of relative waveguide mode refractive indices (A), JOSA 67: 1393
- Kendall, D. J. W.**
- ; Clark, T. A.: Balloon-borne far-infrared Michelson interferometer for atmospheric emission studies (E), AO 18: 346
- Kendall, James M., Sr.** See Duncan, Charles H., AO 16: 2690
- Keneman, Scott A.**
- ; Bordogna, Joseph; Zemel, Jay N.: Evaporated films of arsenic trisulfide: dependence of optical properties on light exposure and heat cycling (E), JOSA 68: 32
- Kenkre, V. M.**
- Luminescence, Proceedings of the 1975 International Conference, Tokyo, Japan, September 1-5, 1975. Edited by Shigeo Shionoya, Saburo Nagakura, and Satoru Sugano (B), JOSA 67: 984
- Kennedy, B. C.** See Torr, M. R., AO 15: 600
- Kennedy, Chandler J.** See Taylor, M. J., AO 17: 885
- Cavity-dumping single mode-locked pulses from a Nd:YAG laser (E) (L), AO 15: 2623
- Growth potential of Nd:YAG space laser communications (A), JOSA 64: 521
- Mode-locked and frequency-doubled laser efficiencies (L), AO 15: 2955
- Kennedy, E. T.** See Carroll, P. K., OL 2: 72
- Kennedy, L. Z.**
- ; Bilbro, J. W.: Remote intensity fluctuation measurements with a laser Doppler radar (L), AO 15: 2008
- ; Bilbro, J. W.: Remote measurement of the transverse wind velocity component using a laser Doppler velocimeter (ET), AO 18: 3010
- Kennedy, R. C.** See Lucht, R. A., OL 4: 216
- Kennedy, R. S.** See Paik, W. H., AO 17: 899
- Kennedy, S. J.** See Berreman, Dwight W., AO 16: 2081
- Kenney, George C., II.** See Bulthuis, K., JOSA 66: 379
- Philips MCA videodisc system and special purpose applications (A), JOSA 66: 379
- Kenney-Wallace, G. A.** See Garetz, B. A., JOSA 67: 1436
- Kent, G. S.**
- Deduction of aerosol concentrations from 1.06- $\mu\text{m}$  lidar measurements (TE), AO 17: 3763
- Kepple, G. A.** See Harris, Richard J., AO 16: 436
- Keppler, E.** See Hsieh, K. C., AO 18: 3732
- Keppros, John G.** See Winer, Irvin M., JOSA 69: 1464
- Coherent far IR radiation from a line plasma (A), JOSA 67: 1425
- Li-like model that explains some aspects of the Utah x-ray laser experiments (A), JOSA 64: 557
- Observation of stimulated anti-Stokes Raman pulses from  $\text{CS}_2$  (A), JOSA 69: 1477
- Polarization studies of far-IR radiation from a line-focus plasma (A), JOSA 68: 1389
- Stimulated back-scattered Raman anti-Stokes effect in nitrobenzene and toluene (A), JOSA 65: 1181
- Theoretical model explaining some aspects of the Utah x-ray laser experiments (TE) (L), AO 13: 695
- Kerber, R. L.** See Hough, Joseph J. T., AO 14: 2960
- ; Whittier, J. S.: Chain reaction pulsed HF laser: a simple model (T), AO 15: 2358
- ; MacKnight, A. K.; Franklin, R. D.: High energy laser at 1.27  $\mu\text{m}$  possible (TE), AO 17: 3276
- ; Hough, Joseph J. T.: Rotational nonequilibrium mechanisms in pulsed  $\text{H}_2 + \text{F}_2$  chain reaction lasers. I: Effect on gross laser performance parameters (T), AO 17: 2369
- Kerker, Milton.** See Bartholdi, Marty, JOSA 67: 1381; Chew, Herman W., OL 1: 138, AO 18: 2679, JOSA 68: 440, JOSA 66: 445, JOSA 68: 1686; Cooke, Derry D., AO 14: 734; Druger, S. D., AO 18: 3888; Dusel, Peter W., JOSA 69: 55; Kratochvil, J. P., AO 17: 1978; McNulty, P. J., JOSA 68: 1452, AO 18: 1484
- Electromagnetic scattering from active objects (T) (L), AO 17: 3337
- Invisible bodies (T), JOSA 65: 376
- Invisible bodies (T) (errata), JOSA 65: 1085
- ; Cooke, Derry D.; McNulty, P. J.; Chew, Herman W.: Light scattering by structured spheres (T), JOSA 68: 592
- ; Sculley, M. J.; Farone, W. A.; Kassman, A. J.: Optical properties of cigarette smoke aerosols (E) (L), AO 17: 3030
- ; Druger, S. D.: Raman and fluorescent scattering by molecules embedded in spheres with radii up to several multiples of the wavelength (T), AO 18: 1172
- ; McNulty, P. J.; Cooke, Derry D.; Sculley, M. J.; Chew, Herman W.: Raman and fluorescent scattering by molecules embedded in small particles: numerical results for noncoherent optical processes (T), JOSA 68: 1676
- ; McNulty, P. J.; Cooke, Derry D.; Chew, Herman W.; Sculley, M. J.: Raman and fluorescent scattering by molecules embedded in small particles: numerical results for incoherent optical processes (errata), JOSA 69: 1049
- ; Scheiner, Paul; Cooke, Derry D.: Range of validity of the Rayleigh and Thomson limits for Lorenz-Mie scattering (T) (L), JOSA 68: 135
- ; Cooke, Derry D.: Remote sensing of particle size and refractive index by varying the wavelength (T), AO 15: 2105
- Resonances in electromagnetic scattering by objects with negative absorption (T), AO 18: 1180
- Kerl, R. J.** See Tam, A. C., OL 4: 81
- Kermisch, Dorian**
- ; Roetling, Paul G.: Analytic expression of the Fourier spectrum of half-tone images (A), JOSA 64: 1401
- ; Folger, William F.: Color encoding with volume phase gratings (A), JOSA 64: 1394
- Deterministic analysis of the maximum entropy image restoration method and of some related methods (T), JOSA 67: 1154
- ; Roetling, Paul G.: Fourier spectrum of halftone images (TE), JOSA 65: 716
- Image formation mechanism in the  $\gamma$ -rutilon (T), AO 15: 1775
- Partially coherent image processing by laser scanning (TE), JOSA 65: 887
- Principle of equivalence between scanning and conventional optical imaging systems (T) (L), JOSA 67: 1357
- ; Reilich, W. M.; Folger, William F.: Scanner for color images with a one-color laser (E), AO 17: 4003
- Speckle reduction by spatial sampling (T) (L), AO 13: 1000
- Visualization of large variation phase objects (A), JOSA 66: 171
- Kern, Sanford**
- Magnetism and magnetic materials, 21st annual conference, Philadelphia, 9-12 Dec 1975 (M), AO 15: 1103
- Kernahan, J. A.** See Donnelly, Keith E., JOSA 68: 1000, JOSA 68: 1787; Irwin, David J. G., JOSA 66: 1396; Pinnington, Eric H., JOSA 67: 162, JOSA 67: 853
- Kerner, Stephen R.** See Alexopoulos, Nikolaos G., JOSA 67: 1634
- Kerr, Donald E.** See Fastie, William G., AO 14: 2133
- Kerr, J. Richard.** See Dunphy, James R., JOSA 66: 1066, AO 16: 1345, JOSA 64: 1015; Elliott, Richard A., JOSA 68: 540, JOSA 68: 1369, AO 18: 3315; Holmes, J. Fred, JOSA 68: 540; Lee, Myung Hun, JOSA 66: 180, JOSA 66: 1164, JOSA 66: 1389, JOSA 67: 1279; McIntyre, Charles M., AO 18: 3211; Pincus, Philip A., JOSA 68: 756, AO 15: 2305, JOSA 68: 760
- Asymptotic parameter realms and scintillation scales for extended sources in turbulence (T) (L), AO 15: 2303
- Atmospheric optical communication workshop, Oregon Graduate Center, 21-23 Jan 1976 (M), AO 16: 785
- Kershaw, D.** See Zimmerman, G., JOSA 68: 549
- Kersten, R. Th.** See Auracher, F., JOSA 66: 289, JOSA 66: 289
- Kertesz, Andrew E.** See Perlmutter, Arye L., JOSA 69: 1423; Sabrin, Howard W., JOSA 66: 1090; Wright, John C., JOSA 64: 555
- Apportionment of disparity cues among the fusional and stereopsis mechanisms (A), JOSA 64: 1403
- ; Sullivan, Mark J.: Effect of wide-field stimulation on cyclofusional eye movements (A), JOSA 67: 1415
- Kessler, B. V.**
- ; Taylor, Leonard S.: Statistics of random grating diffraction patterns (A), JOSA 67: 1368
- Kestigian, M.** See Thaxter, J. B., AO 13: 913
- Keszthelyi, Csaba P.**
- Laser based on electrochemiluminescence (ET), AO 14: 1710
- Ketcham, David J.**
- ; Weber, J. W.; Lowe, R. W.: Real-time image enhancement techniques (A), JOSA 66: 171



- Ketkar, S.** See Kasper, J., JOSA 68: 1357
- Key, M. H., et al.**  
Laser-driven implosion of gas-filled glass microballoons (A), JOSA 68: 545
- Key, P. J.**  
—; Preston, R. C.: Vacuum ultraviolet radiation scales: an accurate comparison between plasma blackbody lines and synchrotron radiation (E), AO 16: 2477
- Key, P. L.** See Fox, A., JOSA 67: 706
- Key, P. Y.** See Cutter, M. A., AO 13: 1399, AO 15: 2954
- Keybl, J.** See Eichmann, G., JOSA 69: 1435
- Khalil, Mohsen A.** See Stremmer, Ferrel G., AO 16: 1619
- Khan, Muhammad A.** See Ready, John F., JOSA 69: 1464
- ; Kruse, Paul W.; Ready, John F.: Resonant four-photon mixing in  $\text{Hb}_{0.7}\text{Cd}_{0.3}\text{Te}$  (A), JOSA 68: 1378
- Khan, Shafiq U.** See Chan, William S., AO 17: 2335
- Kharusi, M. S.**  
Uniaxial and biaxial anisotropy in thin-film optical waveguides (T), JOSA 64: 27
- Khetan, R. P.** See Chiang, Fu-Pen, AO 18: 2175
- ; Chiang, Fu-Pen: Strain analysis by one-beam laser speckle interferometry. I: Single aperture method (TE), AO 15: 2205
- Khmelevtsov, S. S.** See Banakh, V. A., JOSA 64: 516
- Khoklov, E. M.** See Akulin, V. M., JOSA 68: 694
- Kho, M. C. K.** See Sternheim, Charles E., JOSA 68: 1399
- Kidd, A. M.** See Aitken, G. J. M., AO 17: 3884
- Kidder, John N.**  
Color matching of sawtooth flickering lights (A), JOSA 65: 1200
- Kieffer, Hugh H.** See Chase, Stillman C., Jr., AO 17: 1243, AO 17: 2132
- Kieffe, H.** See Ahmad, S. F., JOSA 67: 1409; Gagnon, R. E., AO 18: 1237; May, W., AO 17: 1603, AO 17: 2873
- Kiehl, J. T.** See Chylek, Petr, AO 17: 3019, JOSA 69: 1550
- Kielkopf, John F.** See Dakhil, M., JOSA 67: 844
- Deconvolution of instrumental response for asymmetric spectral lines (T) (L), JOSA 69: 482
- Spectral line profiles in the cesium principal series perturbed by noble gases (A), JOSA 68: 1447
- Kiemle, H.**  
Holographic memories in the gigabyte region (TE), AO 13: 803
- Kienzie, W.**  
—; Jeffery, J.; Marzwell, Neville I.: Optical properties of  $\text{Ti}_2\text{SeAs}_2\text{Te}_3$  amorphous chalcogenide glass in the range 2 to 10.6  $\mu\text{m}$  (A), JOSA 68: 1396
- Kiess, E. M.**  
Measurements of Rayleigh line widths of liquids (A), JOSA 64: 530
- Kihara, T.**  
—; Kubo, Hayao; Nagata, Ryo: Isopachics measurement using immersion method polarization holography (ET), AO 15: 3025
- ; Kubo, Hayao; Nagata, Ryo: Measurement of 3-D stress distribution by a scattered-light method using depolarized incident light (E), AO 18: 321
- Kikkawa, A.** See Sonoda, H., AO 17: 1006
- Kikuchi, M.** See Matsuda, A., AO 13: 1992
- Kikuchi, Ryoichi**  
—; Soffer, B. H.: Maximum entropy image restoration. I. The entropy expression (T), JOSA 67: 1656
- Kikuchi, T. T.**  
Magnetic field-modulated, ultraviolet-resonance absorption NO analyzer (E) (L), AO 13: 239
- Kilcline, C. W.** See O'Neil, R. W., AO 13: 314
- Kildal, Helge.** See Brueck, S. R. J., JOSA 67: 1369, JOSA 68: 1626, JOSA 69: 1464, JOSA 69: 1471, OL 2: 33
- ; Brueck, S. R. J.: Efficient third harmonic generation of  $\text{CO}_2$  laser radiation in liquid  $\text{CO}_2\text{-SF}_6$  mixtures (A), JOSA 68: 549
- ; Iseler, G. W.: Laser-induced surface damage of infrared nonlinear materials (E), AO 15: 3062
- ; Iseler, G. W.; Manyuk, N.; Mikkelsen, J. C.: Second- and fourth-order nonlinear processes in chalcopyrites (A), JOSA 67: 255
- Killinger, D.**  
—; Menyuk, N.: Remote sensing of CO using frequency-doubled  $\text{CO}_2$  laser radiation (A), JOSA 69: 1398
- Killinger, D. K.** See Wang, Charles C., JOSA 68: 634
- Kim, B.** See Tsai, C. S., JOSA 66: 289
- Kim, B. F.**  
—; Bohandy, J.: Site selective spectra of Zn porphyrin in triphenylene (A), JOSA 65: 1164
- Kim, C.** See Weinman, L. S., AO 17: 906
- Kim, C.-J.** See Shannon, Robert R., JOSA 69: 1429
- Kim, Dae M.** See Rabson, Thomas A., JOSA 64: 1359; von der Linde, D., JOSA 68: 664
- Kim, H. C.** See Divergilio, W. F., JOSA 68: 543
- Kim, Hongsuk H.**  
Airborne bathymetric charting using pulsed blue-green lasers (TE), AO 16: 46
- ; McClain, Charles R.; Hart, William D.: Chlorophyll gradient map from high-altitude ocean-color-scanner data (E) (L), AO 18: 3715
- Remote Surveillance by Electromagnetic Waves for Air-Water-Land. By D. T. Gessing (B), AO 17: 2471
- ; Eckerman, Jerome R.; McClain, Charles R.: Surveillance of Environmental Pollution and Resources by Electromagnetic Waves. Edited by T. Lund (B), AO 18: 4088
- Kim, Hyo-Gun.** See Halpern, Gerald M., JOSA 68: 544
- Kim, K. C.** See Griggs, J. E., JOSA 66: 390
- ; Griggs, E.; Person, W. B.: Kilometer-path low-temperature multiple-reflection cell for laser spectroscopy using tunable semiconductor diodes (E), AO 17: 2511
- Kim, R. K.** See Harrington, James A., AO 17: 1541
- Kim, Yong-Ki.** See Cheng, Kwok-tsang, JOSA 69: 125
- ; Cheng, Kwok-tsang: Transition probabilities for the resonance transitions of Na-like ions (T), JOSA 68: 836
- Kimble, H. J.**  
Calculated enhancement for intracavity spectroscopy with a single-mode laser (A), JOSA 69: 1430
- Kimel, J. D.** See Richter, P., AO 15: 756, AO 15: 1117
- Kimel, S.** See Singer, L., AO 15: 2678
- Kimura, K.** See Kozaki, S., JOSA 66: 63
- Kimura, Tatsuya.** See Sakai, Jun-ichi, OL 1: 169, AO 17: 1499, AO 17: 2848, AO 17: 3653
- ; Saruwatari, Masatoshi; Yamada, Jun-ichi; Uehara, Singo; Miyashita, Tadashi: Optical fiber 800-Mbit/sec transmission experiment at 1.05  $\mu\text{m}$  (E), AO 17: 2420
- Kinameri, Kanji**  
—; Nonaka, Mamoru: Measurements of white uniformity of color picture tubes (E) (L), AO 13: 1270
- ; Nonaka, Mamoru: White uniformity measurements on color TV picture tubes (E), AO 18: 135
- Kinbara, Akira.** See Yamaguchi, Tomuo, JOSA 64: 1563
- Kincaid, Brian E.**  
Fiber optic data distribution systems utilizing variable tap ratio optical couplers (ET) (L), AO 16: 2355
- Kindel, Joseph M.** See Strosio, Michael A., JOSA 68: 661
- Kindlmann, P. J.** See Donnelly, Keith E., JOSA 65: 1359
- King, B. R.** See Chivian, Jay S., JOSA 65: 357
- King, David S.** See Stephenson, John C., JOSA 68: 684
- ; Schenck, Peter K.; Smyth, Kermit C.; Travis, John C.: Direct calibration of laser wavelength and bandwidth using the optogalvanic effect in hollow cathode lamps (E) (L), AO 16: 2617
- King, Federick W.**  
Analysis of optical data by the conjugate Fourier-series approach (T), JOSA 68: 994
- King, James R.** See Smith, Howard M., JOSA 64: 1382, AO 15: 729
- King, Leon W.** See Harwit, Martin, AO 13: 2669
- King, M. G.**  
Absorption and excitation spectra of fluorescently brightened fabrics (ET), AO 14: 1627
- King, Marvin.** See Elbaum, Marek, JOSA 65: 1198, JOSA 65: 1204, AO 16: 1982
- ; Elbaum, Marek: Influence of laser speckle on COAT systems (A), JOSA 66: 180
- Optimum pupils for shot-noise-limited imaging systems (A), JOSA 65: 1177
- ; Schlom, Leslie: Rapid-scanning laser receiver (ET), AO 14: 1673
- King, Marvin C.**  
—; King, Michael C.: AO Cumulative Index 1962-1973 (errata), AO 16: 797
- King, Michael C.** See King, Marvin C., AO 16: 797
- King, Michael D.** See Byrne, Dale M., JOSA 67: 258; Reagan, John A., JOSA 67: 259
- ; Byrne, Dale M.; Herman, Benjamin M.; Reagan, John A.: Determination of aerosol size distributions from spectral optical depth measurements (A), JOSA 67: 256
- King, Philip W., III**  
Holographic interferometry technique utilizing two plates and relative fringe orders for measuring micro-displacements (E), AO 13: 231
- King, S. R.** See Shimabukuro, F. I., AO 15: 1115
- King, T. A.** See Baker, H. J., AO 18: 2136
- King, W. D.**  
Effective extinction efficiencies for large spheres using weakly collimated light (T), AO 18: 1387
- King, W. H.** See Davis, Sumner P., JOSA 64: 1371
- Relative isotope shifts in  $\text{U I}$  (T) (L), JOSA 68: 1007
- King, William B.**  
Aligning the angle sensor for detecting the angular jitter of high-energy laser beam (A), JOSA 64: 1377
- Computer program for far-field performance evaluation of a laser-beam expander (A), JOSA 64: 564
- ; Ramer, O. G.: Optical analysis of integrated boresight-focus sensor system (A), JOSA 67: 1394
- ; Kinnard, Roger W.: Optical design aspects of the 10.6  $\mu\text{m}$  laser data relay link (LDRL) transmitter/receiver (A), JOSA 66: 389
- ; Lau, A. S. Y.; Holcomb, T. L.: Optical evaluation of Los Alamos Antares 100-kJ  $\text{CO}_2$  laser-fusion system (A), JOSA 68: 1374
- ; Lau, A. S. Y.; Hudgens, J. D.: Optical evaluation of Los Alamos Antares 100-kJ  $\text{CO}_2$  laser-fusion system. II (A), JOSA 69: 1439
- ; Lau, A. S. Y.: System-optical-quality (SOQ) computer modeling for laser pointing systems (A), JOSA 66: 1095
- Unobscured laser-beam-expander pointing system with tilted spherical mirrors (T) (L), AO 13: 21
- Kingslake, Hilda G.**  
Institute of Optics 1929-1979: a brief commemorative, AO 18: 3223
- Kingslake, Rudolf**  
Impasses in applied optics (R), JOSA 64: 123
- Optical Design and Ray-Tracing by Pocket Calculator. By T. D. Settimi (B), JOSA 68: 1458
- Optical Design of Reflectors. William B. Elmer (B), JOSA 68: 552
- Zoom Lenses. By A. D. Clark (B), JOSA 64: 1152
- Kingsley, J. D.** See Yang, K. H., AO 14: 288
- Kingsley, S. A.**  
—; Davies, D. E. N.: Use of optical fibers as instrumentation transducers (A), JOSA 66: 382
- King-Smith, P. E.**  
—; Carden, D.: Luminance and opponent-color contributions to visual detection and adaptation and to temporal and spatial integration (E), JOSA 66: 709
- ; Carden, D.: Luminance and opponent color contributions to visual detection and to temporal and spatial integration: reply to comments (T) (L), JOSA 68: 1146
- Kingston, R. L.** See Burke, James J., JOSA 69: 1450
- Kinnard, Roger W.** See King, William B., JOSA 66: 389
- Kinney, Jo Ann S.** See Kaiser, Peter K., JOSA 64: 1374
- ; Paulson, Helen M.; Beare, Arthur N.: Ability of color detectives to judge signal lights at sea (E), JOSA 69: 106
- ; McKay, Christine L.: Test of color-defective vision using the visual evoked response (E), JOSA 64: 1244
- Transient visually evoked potential (A), JOSA 65: 1209
- Transient visually evoked potential (E), JOSA 67: 1465
- Kino, G. S.** See Budiansky, B., AO 18: 4085
- Kinoshita, Kyoichi**  
—; Kobayashi, Morio: End preparation and fusion splicing of an optical fiber array with a  $\text{CO}_2$  laser (E), AO 18: 3256
- ; Egashira, K.: Optical fiber end preparation using a  $\text{CO}_2$  laser (E), AO 17: 1210



- Kinshofer, G.** See Aulich, H. A., JOSA 67: 706
- Kinsinger, J. B.**
- ; Mallick, S.: Spatial coherence in Rayleigh-scattered light (E) (L), JOSA 64: 1276
- Kint, S.** See Scherer, J. R., JOSA 68: 1448
- Kintner, Eric C.** See Nyyssonen, Diana, JOSA 67: 1366
- ; Nyyssonen, Diana: Computations of imagery in partially coherent light (A), JOSA 67: 1367
  - Method for the calculation of partially coherent imagery (T), AO 17: 2747
- ; Sillitto, Richard M.: New analytic method for computing the optical transfer function (A), JOSA 66: 1122
- Kinzly, Robert E.** See Akerman, Alexander, III, JOSA 66: 1079, JOSA 67: 1426
- Kirchartz, K. R.** See Oertel, H., Jr., AO 17: 3536
- Kircher, John F.** See Barnes, Russell H., AO 17: 1099
- Kirchhoff, W. H.**
- Molecular Spectroscopy: Modern Research. Volume 2. Edited by K. Narahari Rao (B), AO 17: 3514
- ; Johnson, D. R.: Molecular structure and spectroscopy, 29th symposium, Columbus, 10-14 Jun 1974 (M), AO 13: 2185
- Kirk, J. G.**
- Fast Fourier transform calculation of diffraction patterns for cube-corner retroreflectors (A), JOSA 66: 1095
- Kirkby, C. J.** See Burgess, J. W., AO 15: 1550
- Electrooptic switching response in cubic phase PLZT ceramic materials (ET) (L), AO 15: 828
- Kirkby, P. A.**
- ; Lovelace, D. F.; Thompson, G. H. B.: Channelled substrate buried heterostructure (GaAl)As injection lasers (A), JOSA 66: 293
- Kirkpatrick, F. H.** See Kostuk, R. K., AO 18: 1527
- Kirkpatrick, Paul**
- Holography without lasers (A), JOSA 68: 1442
- Kirlin, Rodney Lynn**
- Optimum resolution gain with prolate spheroidal wave functions (T) (L), JOSA 64: 404
- Kirmaci, Ismail**
- ; Ward, Gray: Scattering of 0.627- $\mu$ m light from spheroidal 2- $\mu$ m *cladosporium* and cubical 4- $\mu$ m NaCl particles (E), AO 18: 3328
- Kirsch, K. J.** See Mazumder, M. K., JOSA 64: 1399, AO 14: 894
- Kirst, T. R.** See White, J. O., AO 17: 2427
- Kirz, Janos**
- Phase zone plates for x rays and the extreme UV (T), JOSA 64: 301
- Kisatsky, P. J.** See Vezzoli, Gary C., AO 15: 327
- Kisel'ov, V. A.** See Zolotov, E. M., JOSA 66: 288
- Kishi, S.** See Yazaki, T., AO 17: 3391
- Kishida, S.**
- ; Washio, K.; Yoshikawa, S.; Kato, Yoshiaki: Continuous wave oscillation of Nd:phosphate glass laser (A), JOSA 68: 631
- Kishimoto, Tadao.** See Sato, Takuso, AO 15: 867, AO 17: 230, AO 17: 667
- Kishino, K.** See Suematsu, Yasuharu, JOSA 66: 288
- Kishner, Stanley J.**
- Effect of spectrophotometric errors on color difference (T), JOSA 67: 772
  - Effects of spectrophotometric errors on color difference (A), JOSA 66: 1104
- Kitajima, H.**
- ; Hano, K.: Anomalies of electromagnetic waves in multilayered structures containing anisotropy (T), JOSA 68: 1693
- Kitano, I.** See Koizumi, K., AO 13: 255
- Kitayama, Kenichi.** See Ikeda, Masahiro, AO 16: 1045, AO 17: 63
- ; Ikeda, Masahiro: Mode coupling coefficient measurements in optical fibers (E), AO 17: 3979
  - ; Ikeda, Masahiro: Mode mixing effects in optical fibers caused by sheathing and multistranding: measurements (E), AO 17: 3660
- Kitayama, Toyoki.** See Sugawara, Shungo, AO 14: 378
- Kitterle, Frederick L.** See Sturr, Joseph F., JOSA 69: 1453
- Contrast enhancement: influence of spatial frequency and flicker rate (A), JOSA 68: 1438
- ; Corwin, Thomas R.; Berta, Joseph: Masking of sinusoidal targets by uniform flashes of unequal duration (A), JOSA 69: 1445
- Kitterman, T. W.** See Ray, Peter S., AO 14: 2492; Stephens, J. J., AO 14: 2169
- Kiyohashi, K.** See Suzuki, H., JOSA 66: 1080
- Kizer, K.** See Foskett, Charles T., JOSA 64: 1367
- Kjelaas, Anton G.**
- Refractive index fluctuations in IR laser absorption spectrometers (A), JOSA 68: 539
- ; Nordal, P. E.; Bjerkestrand, A.: Scintillation and multiwavelength coherence effects in a long-path laser absorption spectrometer (ET), AO 17: 277
- Klaasen, Kenneth P.**
- ; Thorpe, Thomas E.; Morabito, Linda A.: Inflight performance of the Viking visual imaging subsystem (E), AO 16: 3158
- Klada, N.** See Mitsuhashi, Y., AO 16: 1138
- Klaiber, Robert J.** See Heinz, Robert A., JOSA 66: 381
- ; Cohen, M. I.: Drawing of smooth optical fibers (A), JOSA 67: 706
- Klapisch, M.** See Bauche-Arnoult, C., JOSA 68: 1136
- ; Schwob, J. L.; Fraenkel, B. S.; Oreg, J.: 1s-3p K $\beta$ -like x-ray spectrum of highly ionized iron (E), JOSA 67: 148
- Klarmann, H.**
- Schneider & Co., optical activities (TE) (N), AO 13: 707
- Klauminzer, Gary K.**
- Instrumentation for pulsed-laser spectroscopy (A), JOSA 66: 387
- Kleekamp, C. W.** See Metcalf, B. D., AO 18: 400
- Kleiman, H.** See O'Neil, R. W., AO 13: 314
- Kleiman, M.** See Cohen, Ariel, AO 17: 1905
- Klein, A. G.**
- Polarization flipper for infrared laser beams: comment (E) (L), AO 16: 1489
- Klein, Barry M.**
- Solid State: X-Ray Spectroscopy. By L. Jacob (B), AO 14: 2351
- Klein, Bernard J.** See Degnan, John J., AO 13: 2397, AO 13: 2762
- ; Degnan, John J.: Optical antenna gain. 3: Effect of secondary element support struts on transmitter gain (T), AO 15: 977
  - ; Degnan, John J.: Optical antenna gain. 1: Transmitting antennas (T), AO 13: 2134
- Klein, Chris F.** See Wessel, John E., JOSA 69: 1428
- Klein, Claude A.** See diBenedetto, B., JOSA 67: 1443
- How window emittance degrades the performance of airborne infrared imaging systems (A), JOSA 65: 1169
  - Position-sensitive photodetectors: key characteristics and systems implications (A), JOSA 66: 385
- Klein, Lothar.** See Kruegle, Herman A., AO 15: 466
- Klein, M. B.** See Jain, R. K., OL 4: 328; Lind, Richard C., JOSA 69: 372
- Enhancement of third harmonic generation in metal-dielectric waveguides: comment (T) (L), AO 18: 2733
- Klein, M. V.** See Jain, K., AO 14: 811
- Klein, Morris**
- ; Liberman, I.; Seery, B. D.; Viswanathan, V. K.: Automatic target alignment for the Helios laser system (A), JOSA 68: 1426
- ; Brixner, Berlyn: Climb: a new Los Alamos Scientific Laboratory lens design code (ET), AO 15: 2583
- Klein, Philipp H.**
- Residual absorption in HF and DF laser window materials from contamination by carbonaceous and other impurities (A), JOSA 67: 254
- Klein, Ralph**
- Annual Review of Physical Chemistry, Volume 26. Edited by Henry Eyring (B), AO 15: 1370
- Klein, Stanley.** See Stromeyer, Charles F., III, JOSA 68: 1002, JOSA 69: 1039, JOSA 69: 1350
- ; Stromeyer, Charles F., III; Madsen, Joren: Direction-selective adaptation with very slow motion (A), JOSA 68: 1379
- Klein, U.** See Eichler, H. J., AO 18: 1383
- Klein, W. H.** See Goldberg, B., AO 13: 493
- Kleinfield, N. R.**
- Ma Bell's great dream machine (N), AO 17: 3025
- Kleinhans, W. A.**
- Aberrations of a sequence of conic mirrors (T), AO 15: 2283
- Aberrations of curved zone plates and Fresnel lenses (T), AO 16: 1701
- Diffraction from a sequence of apertures and disks, JOSA 65: 1451
- Laser fusion target illumination system: comments (T) (L), AO 15: 14
- Skew ray results for condensing light pipes and reflective baffles (T), AO 15: 2437
- Kleinman, D. A.** See Nelson, D. F., JOSA 67: 707
- Kleinstein, Robert N.** See Cohn, Theodore E., JOSA 64: 1321
- Klem, Bernard F.**
- ; Chambers, Richard W.; Fletcher, Edward T.: Calculation of space-object reflected intensity using spatially resolved earth-radiance measurements (A), JOSA 65: 1174
- Klement, E.** See Bodlaj, V., AO 15: 1432
- Klemperer, w. K.** See Wang, Ting-i, JOSA 64: 539
- Klenert, Max**
- Zur mathematischen Analyse von Oszillogrammen der kinetischen Absorptionsspektrophotometrie (T), AO 14: 1013
- Klenk, K. F.**
- ; Smith, P. M.: Off-zenith radiance computations for total ozone retrieval from space (A), JOSA 69: 1399
- Kley, Dieter.** See Lawrence, George M., AO 15: 2649
- Kligler, Daniel J.**
- ; Pummer, H.; Bischel, William K.; Rhodes, Charles K.: Photolytic and energy transfer studies of laser media using two-quantum excitation (A), JOSA 68: 548
  - ; Rhodes, Charles K.: Studies of the H<sub>2</sub> ( $E, F, 2^2_p$ ) state by two-photon excitation (A), JOSA 68: 708
- Klimas, Edward.** See Casasent, David, AO 17: 2058
- Kline, John V.** See Steinhaus, David W., JOSA 65: 814
- Klingbiel, R. T.**
- Dielectric and Related Molecular Processes, Volume 2. Reported by Mansel Davies (B), JOSA 66: 398
- Klingler, John M.** See Jones, Mike I., JOSA 68: 1443
- Klingsporn, Paul E.**
- Laser interferometric displacement-measuring system for noncontact positioning of a sphere on a rotation axis through its center and for measuring the spherical contour (ET), AO 18: 2881
  - Theoretical intensity uniformity from an anti-Gaussian collimating lens (T), AO 15: 2355
- Klose, K.** See Bergmann, U., AO 15: 3084
- Application of additional mirrors for rectilinear laser scanning of wide formats (T), AO 17: 203
- Klotz, E.**
- ; Weiss, H.: X-ray 3-D coded aperture imaging: displaying the heart (E), AO 15: 1913
- Kloze, E.**
- Optical conference in GDR, First National, Jena, 26-30 June 1978 (M), AO 18: 258
- Klug, D. D.**
- ; Whalley, E.: Source noise in Fourier-transform spectroscopy (TE) (L), JOSA 64: 1019
- Knapp, D. E.** See Leinert, C., AO 13: 556
- Kmetz, Allan R.**
- Liquid crystal wedge compensator for display thickness measurement (ET) (L), AO 14: 2339
- Knacke, R. F.**
- Signal-to-noise ratios of multiplexing spectrometers in high backgrounds (T) (L), AO 17: 684
- Knapp, C. E.** See Wolfe, P. N., JOSA 68: 543
- Knapp, S. L.** See Liewer, Kurt M., JOSA 65: 1199
- Knasel, T. M.** See Akyas, Victor, AO 13: 742
- Kneissl, G.** See Foskett, Charles T., JOSA 64: 1367
- Kneizys, Francis X.** See Clough, Shepard A., JOSA 68: 1424, AO 18: 2329; McClatchey, R. A., AO 18: 592
- Kneubuehl, F. K.** See Martens, U., AO 13: 1455, AO 14: 1177
- Waveguides for submillimeter-wave lasers (R), JOSA 67: 959
- Knight, Bruce W.** See Sirovich, Lawrence, JOSA 69: 1432



- Knight, Gordon R.**  
Holographic associative memory and processor (T), AO 14: 1088  
Page-oriented associative holographic memory (T), AO 13: 904
- Kniseley, Richard N.** See McClelland, John F., AO 15: 2658, AO 15: 2967
- Knittl, Zdenek**  
Copernicus—not so depressing a story, JOSA 64: 1281
- Knoes, R.** See Frejlich, Jaime, AO 18: 1135
- Knoll, Glenn F.** See May, Randall S., AO 13: 2589
- Knoll, John S.**  
—; Tettemer, Gregory L.; Planet, Walter G.; Rao, K. Narahari; Chen, Da-Wun; Pugh, L. A.: Calibration of the absorption spectra at 14–15  $\mu$ m obtained with a tunable diode laser (E) (L), AO 15: 2973
- Knollenberg, Robert G.**  
Image dissector for size and position of statically suspended particles (ET), AO 18: 3602
- Knop, K.** See Engelbrecht, R. S., JOSA 66: 381; Gale, M. T., JOSA 67: 1374, AO 15: 2189  
Diffraction gratings for color filtering in the zero diffraction order (ET), AO 17: 3598  
—; Engelbrecht, R. S.: Periodic phase structures for focusing light in the near field (A), JOSA 68: 1405  
Rigorous diffraction theory for transmission phase gratings with deep rectangular grooves, JOSA 68: 1206
- Knopp, Jerome.** See Becker, Michael F., JOSA 68: 1405  
—; Becker, Michael F.: Generalized model for noncoherent optical convolvers and correlators (T) (L), AO 17: 984  
—; Hixson, Elmer L.; Powers, Edward J.: Multichannel image decoding using a composite filter (T) (L), JOSA 66: 150  
—; Becker, Michael F.: Virtual Fourier transform as an analytical tool in Fourier optics (T) (L), AO 17: 1669
- Knothe, M.** See Schmidtk, G., AO 14: 1645
- Knowles, Stephen H.**  
Very-long-baseline interferometer astronomy—molecular line radiation sources (A), JOSA 64: 522
- Knox, J. D.** See Cohen, Roger W., JOSA 64: 554; Gorog, L., AO 15: 1425
- Knox, Keith T.**  
Image retrieval from astronomical speckle patterns (A), JOSA 66: 182  
Image retrieval from astronomical speckle patterns (TE), JOSA 66: 1236
- Knox, Robert S.**  
Excited States, Volume 2. Edited by Edward C. Lim (B), JOSA 66: 635  
Physics of Highly Excited States in Solids, Proceedings of the 1975 Oji Seminar, Tomakomai, Japan, September 9–13, 1975. Edited by M. Ueta and Y. Nishina (B), JOSA 67: 1288  
Radiationless Processes in Molecules and Condensed Phases, Topics in Applied Physics, Volume 15. Edited by F. K. Fong (B), JOSA 67: 986
- Knox, W.** See Zimmerman, J., JOSA 68: 542
- Knyazev, I. N.** See Antonov, V. S., OL 3: 37
- Knystautas, E. J.** See Roberts, J. R., JOSA 69: 1620  
—; Drouin, R.; Druetta, M.: Beam-foil studies of ionized argon in the vacuum UV (A), JOSA 67: 1383  
—; Buchet-Poulizac, M. C.; Buchet, J. P.; Druetta, M.: Beam-foil study of fluorine in the far UV (E), JOSA 69: 474  
—; Roberts, J. R.; Sugar, Jack: New line classifications and energy levels in the triplet system of Xe VII (E) (L), JOSA 69: 1726
- Ko, M. K. W.** See Chylek, Petr, AO 17: 3019
- Kobayashi, Morio.** See Egashira, K., AO 16: 1636, AO 16: 2743; Kinoshita, Kyoichi, AO 18: 3256; Shibukawa, Atsushi, AO 18: 3700  
—; Terui, Hiroshi: Optical demultiplexer using coupling between nonidentical waveguides (ET), AO 17: 3253  
—; Terui, Hiroshi; Egashira, K.: Optical-mode filters using coupling between two nonidentical waveguides (ET), AO 17: 486
- Kobayashi, S.**  
—; Sudo, S.; Izawa, T.; Miyashita, Tadashi: Preparation of silica glass using a CO<sub>2</sub> laser (E) (L), AO 14: 2817
- Kobayashi, Shunsuke.** See Shimomura, Teruo, AO 18: 3139
- Kobierecki, M.** See Ozarski, R. G., JOSA 68: 548
- Koch, E. E.** See Saile, V., AO 15: 2559
- Koch, Klaus-P.**  
—; Litfin, Gerd; Welling, Herbert: Continuous-wave laser oscillation with extended tuning range in  $F_A(II)$ – $F_B(II)$  color-center crystals (E), OL 4: 387
- Kock, Winston E.**  
Acoustical Holography, Volume 5. Edited by Philip S. Green (B), AO 14: 245  
Circular polarization in certain laser and holography applications (E) (L), AO 14: 1471  
Circular polarization in certain laser and holography applications: reply to comments (E) (L), AO 14: 2568  
—; Stroke, George W.: Fifth holography school, Novosibirsk, 29 Jan–3 Feb 1973 (M), AO 13: 11A14  
Introduction to Radio Holography. By G. S. and A. P. Safronova (B), AO 13: 4A18  
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Pauli Lectures on Physics. Volume 2: Optics and the Theory of Electrons. By Wolfgang Pauli (B), AO 17: 496
- Kodate, K.**  
—; Kamiya, Takeshi; Takenaka, H.; Yana, Hisayoshi: Construction of photolithographic phase gratings using the Fourier image effect (E), AO 14: 522
- Kodre, A.**  
—; Strnad, J.: Models for the Goos–Haenchen effect (T) (L), JOSA 64: 1722
- Koehler, Lyle.** See Munoz, Robert M., AO 13: 2890
- Koenderink, Jan J.**  
—; van Doorn, Andrea J.: Local structure of movement parallax of the plane (T), JOSA 66: 717  
—; van Doorn, Andrea J.: Method of stabilizing the retinal image (T), AO 13: 955  
—; Bouman, Maarten A.; Bueno de Mesquita, Albert E.; Slappendel, Sybe: Perimetry of contrast detection thresholds of moving spatial sine wave patterns. I. The near peripheral visual field (eccentricity 0°–8°) (E), JOSA 68: 845  
—; Bouman, Maarten A.; Bueno de Mesquita, Albert E.; Slappendel, Sybe: Perimetry of contrast detection thresholds of moving spatial sine wave patterns. II. The far peripheral visual field (eccentricity 0°–50°) (E), JOSA 68: 850  
—; Bouman, Maarten A.; Bueno de Mesquita, Albert E.; Slappendel, Sybe: Perimetry of contrast detection thresholds of moving spatial sine wave patterns. III. The target extent as a sensitivity controlling parameter (E), JOSA 68: 854  
—; Bouman, Maarten A.; Bueno de Mesquita, Albert E.; Slappendel, Sybe: Perimetry of contrast detection thresholds of moving spatial sine wave patterns. IV. The influence of the mean retinal illuminance (E), JOSA 68: 860  
—; van Doorn, Andrea J.: Spatiotemporal contrast detection threshold surface is bimodal (E), OL 4: 32  
—; van Doorn, Andrea J.: Visibility of unpredictably flickering lights (E), JOSA 64: 1517
- Koenig, J. L.**  
—; Antoon, M. K.: Recent applications of FT-IR spectroscopy to polymer systems (ER), AO 17: 1374
- Koennen, G. P.**  
—; de Boer, J. H.: Polarized rainbow (T), AO 18: 1961
- Koepke, B.** See Chen, D., JOSA 66: 1102
- Koepke, P.**  
—; Kriebel, K. T.: Influence of measured reflection properties of vegetated surfaces on atmospheric radiance and its polarization (T), AO 17: 260  
—; Quenzel, Heinrich: Remote sensing of atmospheric turbidity from geosynchronous orbit (A), JOSA 67: 258  
—; Quenzel, Heinrich: Water vapor: spectral transmission at wavelengths between 0.7  $\mu$ m and 1  $\mu$ m (E), AO 17: 2114
- Koester, Charles J.**  
—; Roberts, Calvin W.: Applications in ophthalmology for the scanning mirror microscope (A), JOSA 69: 1446  
Scanning slit microscope for optical sectioning (A), JOSA 68: 1382
- Kogan, Robert M.**  
—; Crow, Thomas G.: A 1-J high-brightness frequency-doubled Nd:YAG laser (E), AO 17: 927
- Kogelnik, H.** See Cross, P. S., OL 1: 43; Haus, H. A., JOSA 66: 320; Pole, Robert V., AO 14: 569  
—; Weber, H. P.: Rays, stored energy, and power flow in dielectric waveguides (T), JOSA 64: 174  
—; Ramaswamy, V.: Scaling rules for thin-film optical waveguides (T), AO 13: 1857  
—; Schmidt, R. V.: Switched directional coupled with stepped  $\Delta\beta$  reversal (A), JOSA 66: 289
- Kogelschatz, U.**  
Application of a simple differential interferometer to high current arc discharges (E) (L), AO 13: 1749  
Application of a simple differential interferometer to high current arc discharges (errata), AO 14: 274
- Kohane, T.** See diBenedetto, B., JOSA 67: 1443
- Kohanzadeh, Y.**  
Hot splices of optical waveguide fibers (E), AO 15: 793
- Kohl, J. L.** See Cann, M. W. P., AO 18: 964; Kuehne, M., AO 16: 1786
- Kohl, R. H.**  
Circular polarization in certain laser and holography applications: comments (E) (L), AO 14: 2567
- Kohler, David R.** See Weiss, Paul B., JOSA 67: 1445  
—; Weiss, Paul B.: Measurements at 10.6  $\mu$ m with pyroelectric vidicons (A), JOSA 67: 1445  
—; Weiss, Paul B.: Pyroelectric vidicons for measurements on CO<sub>2</sub> laser systems (A), JOSA 68: 543
- Kohles, R. B.** See Zeidler, James R., AO 13: 1115, AO 13: 1591, AO 13: 1938
- Kohli, K. S.** See Chopra, K. N., AO 18: 3077
- Koizumi, H.** See Hadeishi, T., JOSA 68: 1402
- Koizumi, K.**  
—; Ikeda, Y.; Kitano, I.; Furukawa, M.; Sumimoto, T.: New light-focusing fibers made by a continuous process (E), AO 13: 255
- Kojima, H.** See Sakai, K., AO 17: 1709
- Kok, C. J.** See Res, M. A., AO 14: 1017, AO 16: 1908
- Kokorowski, S. A.** See Pearson, J. E., JOSA 65: 1212; Pearson, James E., JOSA 66: 1261  
Analysis of adaptive optical elements made from piezoelectric bimorphs (T), JOSA 69: 181  
—; O'Meara, T. R.; Pedinoff, M. E.; Pearson, James E.: Analytical, experimental, and computer simulation studies of speckle effects in multidither COAT systems (A), JOSA 66: 635  
—; Pedinoff, M. E.; Pearson, James E.: Analytical, experimental, and computer-simulation results on the interactive effects of speckle with multidither adaptive optics systems (TE), JOSA 67: 333  
—; Lind, Richard C.; O'Meara, T. R.; Calderone, T.: Automatic speckle cancellation techniques (ASPECT) (A), JOSA 68: 1385
- Kokubun, Yasuo.** See Iga, Kenichi, AO 17: 1972
- Kolb, Alan.** See Hughes, William M., JOSA 64: 557, JOSA 64: 557
- Kolb, W. P.** See Johnston, T. F., JOSA 66: 383
- Koliopoulos, Chris L.** See Hardy, John W., JOSA 67: 360; Sprague, Robert A., JOSA 65: 1178, AO 15: 89  
—; Kwon, Osuk; Shagam, Richard N.; Wyant, James C.; Hayslett, Charles R.: Infrared point-diffraction interferometer (ET), OL 3: 118  
—; Wyant, James C.: Phase measurement in heterodyne interferometry using integrating detectors (A), JOSA 69: 1455  
Radial grating lateral shear heterodyne interferometer (A), JOSA 68: 1391  
—; Wyant, James C.: Spatial filtering of aberrations and the point diffraction interferometer (A), JOSA 68: 1416
- Kolodner, P.** See Yablonovitch, Eli, JOSA 68: 638  
—; Kwok, H. S.; Black, Jerry G.; Yablonovitch, Eli: Exact decomposition of a Gaussian-averaged nonlinear function (T), OL 4: 38



- Kolomiisky, A. N.** See Burdonsky, J. N., AO 15: 1450
- Komatsu, H.** See Nakajima, M., AO 15: 1030
- Komine, H.**
- ; Stappaerts, E. A.: Efficient higher-order Stokes-Raman shifting in molecular gases (A), JOSA 69: 1477
  - ; Stappaerts, E. A.: Efficient higher-Stokes-order Raman conversion in molecular gases (E), OL 4: 398
- Optical pumping studies of Hg<sub>2</sub> (A), JOSA 66: 1098
- Komm, D. S.**
- ; Blanken, R. A.; Brossier, P.: Fast-scanning far-infrared Fabry-Perot interferometer (E), AO 14: 460
- Kompfner, R.** See Sheppard, C. J. R., AO 17: 2879
- Kondig, Walter.** See Phillips, Richard A., JOSA 65: 1106
- Kondo, K.**
- ; Ichioka, Yoshiki; Suzuki, Tatsuro: Image restoration by Wiener filtering in the presence of signal-dependent noise (TE), AO 16: 2554
- Kondo, M.** See Takahashi, S., JOSA 66: 1062
- Kondratyev, K. Ya.**
- ; Lasarev, D. N.; Shuba, Yu. A.: Characteristics of reflection, transmission, scattering, and emission (T) (L), AO 16: 1770
  - ; Vassilyev, O. B.; Grishchkin, V. S.; Ivlev, L. S.: Spectral radiative flux divergence and its variability in the troposphere in the 0.4–2.4- $\mu$  region (E), AO 13: 478
- Kong, Jin Au.** See Chu, Ruey-Shi, JOSA 68: 1371, JOSA 67: 1555
- Cerenkov radiation in anisotropic crystals (A), JOSA 65: 1166
- Optics of bianisotropic media (A), JOSA 64: 528
- Optics of bianisotropic media (T), JOSA 64: 1304
- Scattering of TM waves by a surface deformation on uniaxial-slab waveguide (A), JOSA 64: 1364
- Second-order coupled-mode equations for spatially periodic media (T), JOSA 67: 825
- Kong, N.** See Ih, Charles S., JOSA 67: 1434, AO 17: 1582
- Koningstein, J. A.** See Parameswaran, T., JOSA 67: 1397
- Konno, Kunio.** See Takahashi, Toshihito, AO 15: 546
- Kono, Akihiro**
- ; Hattori, Shuzo: Radiative-lifetime measurements for I I and I II (E), JOSA 69: 253
  - ; Hattori, Shuzo: Rapidly gated crossed-field photomultiplier (E) (L), AO 13: 2002
- Koo, B. W.** See Stark, Henry, AO 15: 2246
- Koo, Kee P.** See Adamowicz, Robert F., AO 18: 2938
- ; Claspay, P. C.: Solar concentrators with maximal concentration for cylindrical absorbers (T) (L), AO 16: 15
  - ; Claspay, P. C.: Stark effects in optically pumped CH<sub>3</sub>OH far infrared laser (ET), AO 18: 1314
- Koomen, M. J.**
- Solar radiation seminar, Naval Research Laboratory, 16 May 1978 (M), AO 17: 2263
- ; Detwiler, C. R.; Brueckner, Guenther E.; Cooper, H. W.; Tousey, Richard: White light coronagraph in OSO-7 (E), AO 14: 743
- Koopman, David W.** See Mahon, Rita, AO 18: 891
- Kopeika, N. S.**
- ; Rosenbaum, J.; Kastner, R.: Abnormal glow discharge detection of visible radiation (ET), AO 15: 1610
  - ; Kushelevsky, A. P.: Experimental test of the effective cross section in photoionization of excited atoms (A), JOSA 68: 1447
  - ; Karcher, T.; Ih, Charles S.: Gas discharge response to light: dependence of linearity on space charge for optogalvanic and excited-state photoionization signals (ET), AO 18: 3513
  - ; Gellman, R.; Kushelevsky, A. P.: Improved detection of ultraviolet radiation with gas-filled phototubes through photoionization of excited atoms (ET), AO 16: 2470
  - ; Kushelevsky, A. P.: Photoionization of excited atoms by low intensity light: experimental test of the effective cross section (ET), AO 17: 3933
- Spectral characteristics of image quality for imaging horizontally through the atmosphere (T), AO 16: 2422
- Spectral characteristics of image quality for imaging horizontally through the atmosphere (errata), AO 17: 1162
- Kopp, R. E.** See Pernick, B. J., JOSA 66: 382, AO 17: 21, AO 17: 43; Wohlers, Martin Ron, AO 17: 35
- Korff, David.** See Miller, M. G., JOSA 64: 155
- Atmospheric speckle (A), JOSA 66: 181
- ; Dryden, G.; Leavitt, R. P.: Isoplanicity: the translation invariance of the atmospheric Green's function (T), JOSA 65: 1321
- Kornblith, Richard L.** See Voigt, Paul A., JOSA 66: 492
- Kornienko, L. S.** See Isaev, S. K., JOSA 68: 1621
- Korniski, Ronald J.** See Platt, Ben C., JOSA 65: 1264; Wolfe, William L., AO 17: 1547
- ; Wolfe, William L.: Infrared refractometer measurements of adhesives (E), AO 17: 3138
- Koronkevitch, V. P.** See Arnautov, G. P., AO 13: 310; Bytchuk, R. M., AO 18: 197; Dubnitshev, Yu. N., AO 14: 180
- Koroteev, N. I.** See Akhmanov, S. A., JOSA 68: 667
- Polarization and interference effects in coherent active Raman spectroscopy (A), JOSA 68: 1432
- Korpel, Adrianus.** See Ahmed, Mahfuz, JOSA 64: 1393; Poon, T. C., OL 4: 317
- Simplified diffraction theory of the video disk (T), AO 17: 2037
- Two-dimensional plane wave theory of strong acousto-optic interaction in isotropic media (T), JOSA 69: 678
- Korsch, Dietrich.** See Winkler, Carl E., AO 16: 2464; Wyman, Charles L., AO 13: 2064, AO 13: 2402, AO 14: 992
- Anastigmatic three-mirror telescope (T), AO 16: 2074
- Imaging analysis of mirrors from normal to grazing incidence (T), JOSA 66: 938
- Reflective Schmidt corrector (T) (L), AO 13: 2005
- Two well-corrected four-mirror telescopes (T) (L), AO 13: 1767
- Korte, H.** See Kartachevskaya, V. E., AO 14: 2694, AO 15: 603
- Korth, Hans-Erdmann**
- Measurement of residual surface curvature (A), JOSA 64: 1377
- Korth, Matthias**
- ; Arrington, John C.: Stimulus alternation and the Purkinje shift (A), JOSA 65: 1205
- Kosonocky, Walter F.**
- Charge-coupled devices for image sensing (A), JOSA 65: 1173
- Koster, A.**
- ; Laval, S.; Reinisch, R.: Optical mixing on the BaTiO<sub>3</sub> soft E polariton mode (A), JOSA 68: 682
- Kostiuk, Theodor.** See Abbas, M. M., AO 15: 427, AO 15: 961, AO 16: 2793; Hillman, J. J., OL 1: 81
- Kostkowski, Henry J.** See Waters, W. R., JOSA 65: 1179
- ; Yokley, Charles R.; Saunders, Robert D.: Lack of validity in the traditional method for determining slit-scattering functions of monochromators (A), JOSA 69: 1401
- Kostuk, R. K.**
- ; Muhs, A. G.; Kirkpatrick, F. H.; Gabel, C. W.: Measurement of adenosine triphosphate content in single red blood cells using the firefly bioluminescent reaction (E), AO 18: 1527
- Kostyk, E.**
- ; Welsh, H. L.: High-resolution Raman spectra of acetylene and the deuterated acetylenes (A), JOSA 67: 1397
- Kot, C.** See Schacham, S. E., AO 17: 3818
- Kothiyal, M. P.**
- Analysis of elliptically polarized light with a nonideal compensator (T) (L), JOSA 65: 352
- Ellipsometer nulling: coupling and setting uncertainty (TE), AO 18: 1019
- Generalized ellipsometry with a nonideal compensator (T) (L), AO 17: 3350
- Transmittance ratio of a compensator (TE), AO 14: 2935
- Transmittance ratio of a compensator: influence of detector sensitivity (TE), AO 16: 1521
- Kotlarchyk, Michael**
- ; Chen, Sow-Hsin; Asano, Shoji: Accuracy of RGD approximation for computing light scattering properties of diffusing and motile bacteria (T), AO 18: 2470
- Kottler, Michael S.** See Falconer, David G., AO 15: 29
- Kottler, W.**
- ; Bonnet, D.; Ganson, G.: Mixed-semiconductor evaporated films as filters with very sharp cutoff and some possible applications in electrooptics (E) (L), AO 17: 164
- Kovach, W. S.**
- Energy distribution in the PSF for an arbitrary passband (T) (L), AO 13: 1769
- Kovacs, G. J.**
- ; Scott, G. David: Attenuated total reflection angular spectra and associated resonant electromagnetic oscillations of a dielectric slab bounded by Ag films (ET), AO 17: 3314
  - ; Scott, G. David: Attenuated total reflection angular spectra of a system of alternating plasma-dielectric layers, AO 17: 3627
  - ; Scott, G. David: Optical excitation of a surface polariton on an iron film (A), JOSA 67: 1430
- Surface polariton in the ATR angular spectra of a thin iron film bounded by dielectric layers (TE), JOSA 68: 1325
- Kovalsky, N. G.** See Burdonsky, J. N., AO 15: 1450
- Kovener, G. S.** See Ward, C. A., AO 13: 2378
- Kowalik, Waldemar**
- Interference measurement of continuous heterogeneities in optical materials (E), AO 17: 2956
- Kowalskie, B. J.** See Hryley, C. A., JOSA 68: 548
- Kowalski, F. V.** See Carlson, N. W., JOSA 68: 1412; Goldsmith, J. E. M., AO 18: 1983
- ; Hawkins, R. T.; Schawlow, Arthur L.: Digital wavemeter for cw lasers (E) (L), JOSA 66: 965
  - ; Teets, R. E.; Demtroeder, W.; Schawlow, Arthur L.: Improved wavemeter for cw lasers (E) (L), JOSA 68: 1611
  - ; Hill, W. T.; Schawlow, Arthur L.: Saturated-interference spectroscopy (E), OL 2: 112
- Kowalski, G.**
- Fast 3-D scanning systems using a limited tilting angle (T), AO 16: 1686
- Suppression of scattered radiation in radiography and improvement of resolution by spatially modulated intensity (T), AO 15: 648
- Koyama, Jiro.** See Handa, Yuichi, AO 18: 248; Masuda, Masamitsu, AO 16: 2994; Nishihara, Hiroshi, AO 17: 2342; Suhara, Toshiaki, JOSA 69: 807
- Koyama, Ryohei.** See Ohtsu, Motoichi, JOSA 69: 1458
- Koyama, T.** See Mishina, H., AO 14: 2326
- Kozaki, S.**
- ; Harada, H.: Beam displacement of a reflected beam at an interface between an inhomogeneous medium and free space (T), JOSA 68: 1592
  - ; Sakurai, H.: Characteristics of a Gaussian beam at a dielectric interface (T), JOSA 68: 508
  - ; Kimura, K.: Wave path of a Gaussian beam in an inhomogeneous medium (T), JOSA 66: 63
- Kozevnikov, A.** See Saile, V., AO 15: 2559
- Kozlov, V. S.** See Veretennikov, V. V., OL 4: 411
- Kozma, Adam.** See Christensen, Charles R., JOSA 66: 177
- ; Christensen, Charles R.: Effects of speckle on resolution (E), JOSA 66: 1257
  - ; Barrekette, E. S.: Optical storage of digital data, topical meeting (R), AO 13: 747
- Kraatz, P.**
- ; Holmes, S. J.: Surface chemistry and absorbance of CaF<sub>2</sub> and SrF<sub>2</sub> at DF and CO wavelengths (A), JOSA 67: 254
- Krahn, K.-H.**
- ; Finken, K. H.: Spectral output of a helical TEA CO<sub>2</sub> laser and its dependence on charging voltage (E) (L), AO 16: 1137
- Krajnovich, D. J.** See Sudboe, Aa. S., OL 4: 219
- Kral, E. Lee.** See Marks, Robert J., II, AO 18: 2783
- ; Walkup, John F.; Hagler, Marion O.: Correlation properties of diffusers for: multiplex holography (A), JOSA 69: 1409
  - ; Hagler, Marion O.; Walkup, John F.; Marks, Robert J., II: Input scanning technique for coherent processing (A), JOSA 68: 1414
- Kramer, Charles J.**
- Holographic beam scanner with concentric reflector (A), JOSA 69: 1481



- ; Araghi, M. N.; Das, P.: TIR acousto-optic surface-wave modulator (A), JOSA 66: 385
- Kramer, G.**  
Linear optical Ramsey resonance by means of a specially modulated molecular beam (A), JOSA 68: 1634
- Kramer, Hilton**  
Holography—a technical stunt (L), AO 14: 2790
- Kramer, Mark A.**  
—; Boyd, Robert W.: Nonlinear optical properties of Nd<sup>3+</sup> in YAG (A), JOSA 69: 1477
- Kramer, S. D.**  
—; Bemis, C. E., Jr.; Young, J. P.; Hurst, G. S.: One-atom detection in individual ionization tracks (E), OL 3: 16  
—; Bemis, C. E., Jr.; Young, J. P.; Hurst, G. S.: Selective, laser one-atom detection of neutral prompt fission fragments (A), JOSA 68: 657  
Third-order nonlinear optical spectroscopy in CuCl (A), JOSA 66: 1118
- Kramer, W. E.** See Hopkins, R. H., AO 14: 2631
- Krammer, Hermann.** See Schiffner, Gerhard, AO 18: 2096  
Light waves guided by a single curved metallic surface (TE), AO 17: 316  
Propagation of modes in curved hollow metallic waveguides for the infrared (T), AO 16: 2163
- Krasinski, Jerzy.** See Dodd, Jack G., JOSA 69: 1427
- Krasutsky, N. J.** See Chivian, Jay S., JOSA 69: 1622
- Kratohvil, J. P.**  
—; Lee, M.-P.; Kerker, Milton: Angular distribution of fluorescence from small particles (ET) (L), AO 17: 1978
- Kraus, H.** See Braeuninger, H., AO 18: 3502
- Kraus, L.** See Rosenbaum, J., AO 16: 2204
- Kraus, Mark.** See Casasent, David, AO 17: 1559
- Krause, J. T.** See Kurkjian, C. R., JOSA 67: 706  
—; Kurkjian, C. R.: Dynamic and static fatigue of high-strength epoxy-acrylate coated fused silica fibers (A), JOSA 67: 706
- Krauss, George.** See Wong, Shew M., JOSA 69: 1460
- Krausz, E. R.** See Day, P., JOSA 65: 1168
- Krautwald, R.** See Mooradian, Gregory C., JOSA 68: 541
- Krautwald, R. A.** See Mooradian, Gregory C., AO 18: 429
- Kravis, S. P.** See Allen, L., JOSA 69: 167
- Kravtsov, N. V.** See Isaev, S. K., JOSA 68: 1621
- Krawarik, P. H.** See Stone, E. I., AO 18: 756  
—; Watkins, L. S.: Fiber geometry specifications and its relation to measured fiber statistics (ET), AO 17: 3984
- Kreid, Dennis K.**  
Atmospheric visibility measurement by a modulated cw lidar (T), AO 15: 1823  
Atmospheric visibility measurement by a modulated cw lidar: reply to comments (T) (L), AO 16: 1128  
—; Grams, G. W.: Confocal LDV utilizing a decoupling beam splitter combiner (E) (L), AO 15: 14  
Laser-Doppler velocimeter measurements in nonuniform flow: error estimates (T), AO 13: 1872  
—; Rowe, D. S.: Light scattering particles for laser velocimeter measurements (E) (L), AO 15: 321  
Versatile flexure mount for precise positioning of optical elements (E) (L), AO 13: 737
- Kreith, F.** See Steward, W. G., AO 14: 1509
- Kreitzer, Melvyn H.**  
Aberration-balancing criteria for optimization of the optical transfer function (A), JOSA 66: 1122
- Krekov, G. M.** See Banakh, V. A., JOSA 64: 516; Belov, V. V., OL 4: 158
- Kressel, Henry.** See Burke, W. J., AO 17: 2233  
Heterostructure Lasers. Part A: Fundamental Principles; Part B: Materials and Operating Characteristics. By H. C. Casey, Jr., and M. B. Panish (B), AO 18: 147  
Laser diodes for fiber communications (A), JOSA 67: 708  
Room temperature cw laser diodes—an overview (A), JOSA 66: 291
- Kretschmann, E.** See Haltom, T. L., AO 18: 1233  
—; Kroeger, E.: Reflection and transmission of light by a rough surface, including results for surface-plasmon effects (T), JOSA 65: 150
- Kretz, Francis**  
—; Scarabin, Francoise; Bourguignat, Eric: Predictions of an inhomogeneous model: detection of local and extended spatial stimuli (T), JOSA 69: 1635
- Kreuzer, Justin L.** See Mumola, Peter B., AO 17: 936  
Interferometric and conventional star trackers (A), JOSA 65: 1187
- Kreye, W. C.**  
Fabry-Perot/monochromator system for enhancement of the spectral line-to-noise power ratio from line and continuum sources (T), JOSA 65: 1427  
Interferometric analyses of Ne II and Ar II spectral lines from a hollow-cathode discharge (ET), JOSA 64: 186
- Kreznar, John E.** See Green, William B., AO 14: 105
- Kriebel, K. T.** See Koepke, P., AO 17: 260  
Measured spectral bidirectional reflection properties of four vegetated surfaces (E), AO 17: 253  
Terminology of reflection, transmission, scattering, and emission: adjustment of concepts (T) (L), AO 17: 157
- Krieger, Allen S.** See Vaiana, Giuseppe S., JOSA 64: 524
- Krikorian, Esther**  
Optical properties of sputtered films (A), JOSA 66: 164
- Krile, Thomas F.** See Irby, Carl A., JOSA 69: 1409; Jones, Mike I., JOSA 68: 1443; Marks, Robert J., II, JOSA 66: 1130, AO 15: 2241, AO 16: 739, AO 16: 746, AO 16: 1777  
—; Hagler, Marion O.; Redus, Wesley D.; Jones, Mike I.: Families of two-dimensional phase-coded diffusers for multiplex holography (A), JOSA 67: 1435  
—; Marks, Robert J., II; Walkup, John F.; Hagler, Marion O.: Holographic representations of space-variant systems using phase-coded reference beams (ET), AO 16: 3131  
—; Hagler, Marion O.; Redus, Wesley D.; Walkup, John F.: Multiplex holography with chirp-modulated binary phase-coded reference-beam masks (ET), AO 18: 52
- Krill, J. A.**  
—; Farrell, R. A.: Comparisons between variational, perturbational, and exact solutions for scattering from a random rough-surface model (T), JOSA 68: 768
- Krimm, S.**  
Molecular Electro-Optics. Part 2: Applications to Biopolymers. Edited by C. T. O'Konski (B), AO 18: 413
- Krisl, M. Eric**  
Imaginary equivalent refractive indices in dielectric reflector designs (A), JOSA 69: 1437
- Kristal, Richard**  
Pulsed HF laser holographic interferometry (E), AO 14: 628  
Rapid spatially scanning IR heterodyne interferometer (E), AO 18: 615
- Kritchman, E. M.**  
—; Friesem, A. A.; Yekutieli, G.: Highly concentrating Fresnel lenses (T), AO 18: 2688  
—; Shtrikman, S.; Slatkine, M.: Resonant optoacoustic cells for trace gas analysis (TE), JOSA 68: 1257
- Kritikos, H. N.** See Zavada, J. M., JOSA 66: 1116
- Krivenkov, B. E.**  
—; Tverdokhle, P. E.; Chugui, Yu. V.: Analysis of images by Hadamard optical transform (TE), AO 14: 1829
- Kroeger, E.** See Kretschmann, E., JOSA 65: 150
- Kroeger, K.** See Res, M. A., AO 14: 1017, AO 16: 1908
- Kroes, Roger L.**  
—; Linton, Roger C.; Martin, Frank E.: Vacuum-ultraviolet optical properties of single-crystal InBi (E), JOSA 66: 999
- Kroger, E.**  
Dispersion relation for complex reflectivity (T) (L), JOSA 65: 1075
- Krok, P. C.** See Harris, Richard J., AO 16: 436
- Kroll, M.** See Szabo, A. G., OL 2: 10
- Krolla, G.** See Deutschbein, O., AO 17: 2228
- Krompholz, H.**  
—; Fischer, Heinz: Nanosecond high radiance standard source (E), AO 13: 203
- Kropfl, W. J.** See Julesz, Bela, JOSA 64: 1403, JOSA 68: 1420
- Kruegle, Herman A.**  
—; Klein, Lothar: High peak power output, high PRF by cavity dumping a Nd:YAG laser (ET), AO 15: 466
- Kruer, M. R.** See Bartoli, F. J., JOSA 67: 254, AO 14: 2499, AO 15: 2016, AO 16: 2934
- Kruer, W. L.** See Barnes, C., JOSA 68: 543; Phillion, D. W., JOSA 68: 544
- Kruger, C. H.** See Hanson, Ronald K., AO 16: 2045
- Kruger, R. P.** See Stupin, D. M., JOSA 68: 545; Whitman, R. L., JOSA 68: 545, AO 18: 1266  
—; Hall, E. L.; Turner, A. F.: Hybrid optical-digital radiography-based system for lung disease detection (E), AO 16: 2637
- Krumme, J.-P.** See Hill, B., AO 14: 2607
- Krumpholz, O.** See Guttman, J., AO 14: 1225
- Krupenie, Paul H.**  
Band Features of Diatomic Molecules in Wavelength Order. Version A. By I. Kopp, R. Lindgen, and B. Rydh (B), AO 14: A19  
Molecular Spectroscopy Volume 1: A Specialist Periodical Report. Edited by R. F. Barrow, D. A. Long, and D. J. Millen (B), AO 13: 1975  
Molecular Spectroscopy, Volume 2: A Specialist Periodical Report. Edited by R. F. Barrow, D. A. Long, and D. J. Millen (B), AO 14: 2025  
Molecules Diatomiques; Bibliographie Critique de Données Spectroscopiques. Diatomic Molecules; a Critical Bibliography of Spectroscopic Data. Edited by R. F. Barrow (B), AO 14: A19
- Krupke, William F.** See Jacobs, Ralph R., JOSA 68: 548, JOSA 68: 712
- Krusche, R. J.** See Pole, Robert V., AO 17: 3294
- Kruse, Paul W.** See Khan, Muhammad A., JOSA 68: 1378; Ready, John F., JOSA 69: 1464  
—; Norton, Paul; Ready, John F.: Spatial variation of spin-flip Raman laser emission from Hg<sub>0.77</sub>Cd<sub>0.23</sub>Te (A), JOSA 67: 1424  
System for imaging through inclement weather at submillimeter wavelengths (A), JOSA 66: 389
- Krusemeyer, H. J.** See Kardux, W., AO 13: 2704
- Krynetskii, B. B.** See Karlov, N. V., JOSA 68: 686, AO 17: 856
- Ku, R. T.** See Hinkley, E. David, AO 15: 1653  
—; Spears, D. L.: High-sensitivity infrared heterodyne radiometer using a tunable-diode-laser local oscillator (E), OL 1: 84  
—; Sample, J. O.; Hinkley, E. David: Long-path monitoring of atmospheric carbon monoxide with a tunable diode laser system (E), AO 14: 854
- Kubacki, Ronald M.** See Wydeven, Theodore J., Jr., AO 15: 132  
—; Wydeven, Theodore J., Jr.: Antireflection coating prepared by plasma polymerization of perfluorobutene-2 (A), JOSA 65: 1195
- Kubo, Hayao.** See Kihara, T., AO 15: 3025, AO 18: 321  
—; Nagata, Ryo: Determination of dielectric tensor fields in weakly inhomogeneous anisotropic media (T), JOSA 69: 604
- Kubodera, Kenichi**  
—; Otsuka, Kenju: Diode-pumped miniature solid-state laser: design considerations (T), AO 16: 2747  
—; Otsuka, Kenju: Efficient LiNdP<sub>4</sub>O<sub>12</sub> lasers pumped with a laser diode (E) (L), AO 18: 3882  
—; Otsuka, Kenju; Miyazawa, Shintaro: Stable LiNdP<sub>4</sub>O<sub>12</sub> miniature laser (E), AO 18: 884
- Kubota, K.** See Takahashi, S., JOSA 66: 1062
- Kubota, T.**  
—; Ose, Teruji; Sasaki, M.; Honda, K.: Hologram formation with red light in methylene blue sensitized dichromated gelatin (E), AO 15: 556
- Kubota, Toshihiro**  
—; Ose, Teruji: Lippmann color holograms recorded in methylene-blue-sensitized dichromated gelatin (E), OL 4: 289  
—; Ose, Teruji: Methods of increasing the sensitivity of methylene blue sensitized dichromated gelatin (E) (L), AO 18: 2538
- Kucerosky, Z.**  
—; Brannen, E.: Attenuation of 33- $\mu$ m laser radiation by atmospheric water vapor (E) (L), AO 15: 2027
- Kuchar, F.**  
Line shape cyclotron resonance in *n*-type germanium at 337  $\mu$ m in the temperature range 15–80 K (E), JOSA 67: 935
- Kuchinsky, V. I.** See Afferov, Zh. I., JOSA 66: 200
- Kucirek, Jan**  
—; Melmed, Allan J.: Influence of an initial (contamination) film on the determination of film properties by ellipsometry (T) (L), JOSA 65: 611



- Kuehne, M.**  
—; Kohl, J. L.: Absolute radiometric measurements of the emission from a BRV source at 34 nm (E) (L), AO 16: 1786
- Kuehni, R. G.**  
Color-tolerance data and the tentative CIE 1976  $L^*a^*b^*$  formula (T) (L), JOSA 66: 497
- Kuester, H.** See Ebert, J., AO 18: 818
- Kuhl, J.** See Genzel, L., AO 17: 3304; von der Linde, D., JOSA 68: 664
- Kuhn, Peter M.** See Pueschel, R. F., JOSA 67: 257
- ; Nolt, I. G.; Stearns, L. P.; Radostitz, J. V.: Infrared passbands for clear-air-turbulence detection (ET), OL 3: 130  
Remote detection of clear air turbulence from infrared observations of water vapor (A), JOSA 66: 1066
- ; Weickmann, Helmut K.; Lojko, M. J.; Stearns, L. P.: Transfer of infrared radiation through clouds (ET), AO 13: 512
- Kuhn, W. R.** See Bartman, F. L., JOSA 66: 860
- Kuizenga, D. J.** See Martin, W. E., JOSA 68: 547; Murray, J. E., JOSA 68: 547
- Kulas, C. E.** See Pinson, L. J., JOSA 68: 754
- Kulpa, Stanley M.** See Weber, Bruce A., OL 3: 229
- ; Humphries, Howard P.: Single-sideband generator for CO<sub>2</sub> lasers (A), JOSA 66: 1094
- Kulshreshtha, A.** See Chander, Mahesh, AO 15: 2964
- Kultepin, N. G.** See Balashov, A. A., AO 17: 1716
- Kultsar, E.**  
—; Chen, E. Yi; Chang, R. K.: Wavelength deviation sensing detector (E) (L), AO 15: 862
- Kumar, Arun.** See Ghatak, A. K., AO 14: 2330
- Kumar, C. Krishna**  
Astrophysical Formulae: A Compendium for the Physicist. By Kenneth R. Lang (B), AO 15: 560
- Kumar, R.**  
—; Robinson, B.; Silva, L.: Calibration of long wavelength Exotech model 20C spectroradiometer (E), AO 18: 2334
- Kumar, Rakesh.** See Chopra, K. N., AO 13: 1768
- Kumar, Shailendra**  
—; Paresce, Francesco; Bowyer, Stuart; Lampton, Michael: Extreme ultraviolet spectrometer for space research (E), AO 13: 575
- Kumar, Vijay**  
—; Esteve, J. M.; Bon, M.: Far UV absolute intensity measurement: calibration of the BRV source by an ion chamber (E), AO 15: 1856
- ; Datta, A. K.: Vacuum ultraviolet scintillators: sodium salicylate and *p*-terphenyl (E), AO 18: 1414
- Kumeisha, A. A.** See Ivanov, A. P., OL 1: 226
- Kumpian, Steven A.** See Soares, J. M., JOSA 68: 542  
Beam diagnostic package for the Omega/Zeta laser system (A), JOSA 68: 1363
- Kumpman, S.** See Soares, J. M., AO 13: 2081
- Kunasz, C. V.** See Eberly, Joseph H., JOSA 68: 1405
- Kundu, P.**  
—; Kar, A.: Photoelectronic precision logarithmic light meter (E), AO 17: 138
- Kung, A. H.** See Harris, S. E., JOSA 64: 556
- ; Dai, Hai Lung; Moore, C. Bradley: Multiphoton dissociation of molecules by direct excitation of the stretching mode (A), JOSA 68: 639
- Kung, G. C.** See Leith, Emmett N., AO 15: 1679
- ; Leith, Emmett N.: Propagation of spatial pulses in interferometrically produced guiding structures (TE), AO 14: 2614
- ; Leith, Emmett N.: Propagation of spatial pulses in sinusoidally stratified media (A), JOSA 65: 1166
- Kung, R. T. V.**  
—; Itzkan, I.: Absolute oil fluorescence conversion efficiency (T), AO 15: 409
- Kuntz, P. A.** See Hanson, Ronald K., AO 16: 2045
- Kunugi, K.** See Murata, Kazumi, AO 16: 1798
- Kunz, C.** See Gudat, W., AO 13: 1412; Hagemann, H.-J., JOSA 65: 742
- Kunz, Louis W.** See Augason, G. C., AO 14: 2146
- ; Goorvitch, David: Combined effects of a converging beam of light and mirror misalignment in Michelson interferometry (T), AO 13: 1077
- Kunz, R. E.** See Lukosz, W., JOSA 69: 1411, JOSA 69: 1434, JOSA 67: 1607, JOSA 67: 1615, JOSA 68: 1155, JOSA 68: 1155
- Kunz, W.** See Dodel, G., AO 14: 2537, JOSA 67: 975
- Kunze, C.**  
—; Samuelsson, H.: Secondary electron conduction camera tube for space applications (E), AO 15: 661
- Kuo, C.** See Buckman, A. B., AO 17: 3636, JOSA 69: 343
- Kuo, C. S.** See Boyd, J. T., AO 15: 1681
- Kuo, In-Cheer.** See Wang, Ta-Keng, AO 13: 1379
- Kurahashi, Koichiro.** See Ioka, Akio, AO 14: 2267, AO 15: 1787
- Kuramochi, Naimu**  
—; Matsuda, Isao; Fukuyo, Hitohiro: Analysis of the effect of foreign gases in the filtering action of a <sup>85</sup>Rb cell (TE), JOSA 68: 1087
- Kurdock, J. R.** See Saito, Theodore T., AO 14: 266, AO 15: 27
- Kurdock, J. W.** See Saito, Theodore T., JOSA 64: 536
- Kurdock, John**  
—; Buckmelter, James; Saito, Theodore T.; Austin, R. Russel: Polishing of supersmooth metal mirrors (E), AO 14: 1808
- Kuriger, William L.** See Ross, David A., AO 15: 2958
- Kurkjian, C. R.** See Krause, J. T., JOSA 67: 706
- ; Albarino, R. V.; Jaeger, R. E.; Krause, J. T.; Torza, S.; Vazirani, H. N.; Schonhorn, H.: Tensile strengths of long lengths of coated silica fibers (A), JOSA 67: 706
- Kurland, Irwin J.**  
—; Bertoni, Henry L.: Birefringent prism couplers for thin-film optical waveguides (T), AO 17: 1030
- Kurnit, N. A.** See Hamadani, S. M., JOSA 65: 1207; Kelly, M. J., JOSA 65: 1163; Monchalin, J.-P., OL 1: 5, OL 1: 140
- Kuroda, Hiroto**  
—; Masuko, Harutake; Maekawa, Sigeru: Observation of parametric instabilities using picosecond spectroscopy and generation of anomalous high-energy picosecond x-ray pulse from laser-produced plasma (A), JOSA 68: 660
- Kuroda, Munee.** See Yokozeki, Shunsuke, JOSA 65: 1007
- Kuroda, T.** See Kajimura, T., AO 18: 1812
- ; Nakamura, M.; Aiki, K.; Umeda, J.: Channelled-substrate-planar structure Al<sub>x</sub>Ga<sub>1-x</sub>As lasers: an analytical waveguide study (T), AO 17: 3264
- Kurokawa, Takashi**  
—; Takato, Norio; Oikawa, Shigeru; Okada, Takeshi: Fiber optic sheet formation by selective photopolymerization (E), AO 17: 646
- ; Oikawa, Shigeru: Optical waveguide intersections without light leak (TE), AO 16: 1033
- Kurtz, C. N.**  
Scalar and vector mode relations in gradient-index light guides (T), JOSA 65: 1235
- Kurtz, Robert L.**  
Advanced Experimental Techniques in the Mechanics of Materials. Edited by Phillip H. Francis and Ulric S. Lindholm (B), AO 13: 688
- Image Processing and Computer-Aided Design in Electron Optics. Edited by P. W. Hawkes (B), AO 13: 451
- Nondestructive Testing—a Survey. By NASA Technology Utilization Office (B), AO 13: 687
- Problems in Optics. Edited by M. Rousseau and J. P. Mathieu (B), AO 13: 1248
- Real-time holographic motion picture camera capable of recording front surface detail from a random velocity vector (errata), AO 13: 1771
- Testing Methods and Techniques; Quality Control and Nondestructive Testing—A Compilation. By NASA Technology Utilization Office (B), AO 13: 688
- Kurucz, R.** See Cann, M. W. P., AO 18: 964
- Kusaka, Y.** See Yokozeki, Shunsuke, AO 15: 2223
- Kushawaha, Vikram S.**  
Electronic-vibrational energy transfer from Br\* to N<sub>2</sub>O (A), JOSA 67: 1441
- ; Joshi, Y. N.: Resonance lines in the In VI spectrum (ET) (L), JOSA 66: 630
- Kushelevsky, A. P.** See Kopeika, N. S., JOSA 68: 1447, AO 16: 2470, AO 17: 3933
- Kusters, J. A.**  
—; Wilson, D. A.; Hammond, D. L.: Optimum crystal orientation for acoustically tuned optical filters (TE), JOSA 64: 434
- Kuswa, G. W.** See Chang, James, JOSA 68: 547
- Kuttner, Paul**  
Thin slits: transmission and polarization (E), AO 15: 1199
- Thin slits: transmission and polarization; author's reply to comment (L), AO 15: 2620
- Kutty, T. G. George.** See Sarma, A. V. S. S. R., AO 17: 3964
- Kuzina, Fred D.** See Tkachuk, Russell, AO 17: 2817
- Kuzmin, G. P.** See Zoroslov, D. Yu., JOSA 68: 665
- Kwan, C. C. Y.** See Shewchun, J., AO 15: 340
- Kwan, L. I.** See Marhic, M. E., JOSA 68: 644
- Kwok, A. C.** See Buckman, A. B., JOSA 68: 1423
- Kwok, H. S.** See Kolodner, P., OL 4: 38; Yablonovitch, Eli, JOSA 68: 638
- ; Yablonovitch, Eli: Collisionless intramolecular vibrational relaxation in SF<sub>6</sub> (A), JOSA 69: 373
- Kwok, M. A.**  
—; Cross, Edward F.; Wilkins, R. L.: In search of high  $J$  states—in HF( $v$ ) + M  $V \rightarrow R$  transfers (A), JOSA 68: 655
- Kwon, Osuk.** See Koliopoulos, Chris L., OL 3: 118
- ; Wyant, James C.; Hayslett, Charles R.: Infrared Twyman-Green interferometer (A), JOSA 67: 1365
- Kwon, Y. S.**  
—; Lefkowitz, I.; Lontz, R.: Improved liquid crystal device response time (E) (L), AO 18: 1700
- Kwong, H. S.** See Measures, Raymond M., AO 18: 281
- Kwong, Siulit.** See Claspy, P. C., AO 15: 1506
- Kyle, T. G.**  
Temperature soundings with partially scanned interferograms (T), AO 16: 326
- Kyle, T. R.**  
Glass fiber hermetic seals using a CO<sub>2</sub> laser (E), AO 14: 1342
- Kyle, Thomas G.**  
—; Schuster, Burton G.: Secondary laser cavity for weak absorptions (E) (L), AO 17: 2659
- Kyonka, J.** See Chen, D., JOSA 65: 226
- Kyrala, George A.** See Shy, J. T., JOSA 69: 1458
- Kyro, E.** See Kauppinen, Jyrki, AO 17: 1587
- Kyros, T.** See Sam, C. L., JOSA 66: 386
- Kyser, D. S.** See Bennett, H. E., JOSA 64: 1361
- Laakmann, Katherine D.**  
—; Steier, William H.: Waveguides: characteristic modes of hollow rectangular dielectric waveguides (T), AO 15: 1334
- ; Steier, William H.: Waveguides: characteristic modes of hollow rectangular dielectric waveguides (T) (errata), AO 15: 2029
- Laakmann, Peter.** See Rosin, Seymour, AO 13: 741
- Labeyrrie, Antoine**  
Multi-telescope systems for optical astronomy (A), JOSA 65: 1191
- Labhart, H.** See Fischer, J. K., AO 15: 2812
- Labrunie, Guy.** See Valette, Serge, AO 16: 1289
- ; Robert, J.; Borel, J.: Nematic liquid crystal 1024 bits page composer (TE), AO 13: 1355
- ; Valette, Serge: Nematic liquid crystal digital light deflector (ET), AO 13: 1802
- Labbs, D.** See Finkenzeller, U., AO 18: 3938; Fried, J., AO 13: 197
- Lachambre, J.-L.** See Lavigne, P., JOSA 67: 1404, OL 2: 127; Otis, Gabriel, JOSA 67: 1438, AO 18: 875, JOSA 67: 551
- ; Szili, Z.: Increasing the brightness of a superradiant UV nitrogen laser (E) (L), AO 18: 425
- ; Otis, Gabriel; Lavigne, P.: Simultaneous frequency stabilization and injection in a TEA-CO<sub>2</sub> laser (A), JOSA 67: 1403
- ; Otis, Gabriel; Lavigne, P.: Simultaneous frequency stabilization and injection in a TEA-CO<sub>2</sub> oscillator (E), AO 17: 1015
- Lachs, Gerard**  
Photoelectron Statistics. By B. Saleh (B), AO 18: 412
- Lachter, A.** See Barriere, A. S., JOSA 67: 252, AO 16: 2865
- Lacourt, Alain.** See Vienot, Jean-Charles, AO 16: 454



- Lacy, S.** See Greenwood, J. R., JOSA 68: 547
- Ladany, I.** See Gorog, I., AO 15: 1425
- Lading, L.**
- ; Jensen, A. Skov; Fog, C.; Andersen, H.: Time-of-flight laser anemometer for velocity measurements in the atmosphere (ET) (L), AO 17: 1486
- Ladish, J. S.** See Montgomery, M. D., JOSA 68: 543; Schappert, G. T., JOSA 68: 668
- Lado-Bordovsky, O.**
- ; Amat, G.: Laboratory and atmospheric measurements of HNO<sub>3</sub> to determine the amount of this constituent in the earth's atmosphere (E), AO 18: 3400
- Laff, Robert A.** See Crow, John D., JOSA 67: 708, OL 1: 40, AO 17: 479
- ; Comerford, Liam D.; Crow, John D.; Brady, Michael J.: Thermal performance and limitations of silicon-substrate packaged GaAs laser arrays (TE), AO 17: 778
- Lafferty, Walter J.**
- Molecular Spectroscopy, Volume 3. A Specialist Periodical Report. Edited by R. F. Barrow, D. A. Long, and D. J. Mille (B), AO 15: 1111
- Laforie, P.** See Helbert, J. M., AO 16: 2119
- Laget, Michel**
- ; Vuillemin, Andre; Saisse, Michel: Ultraviolet three-channel photographic photometer: the S183 experiment (E), AO 16: 961
- Lago, G.** See Aime, Claude, JOSA 68: 1063
- Laguna, George R.** See Cutchen, J. Thomas, AO 14: 1866
- Lahart, Martin J.**
- ; Marathay, Arwind S.: Image speckle patterns of weak diffusers in partially coherent light (A), JOSA 66: 182
- ; Marathay, Arwind S.: Image speckle patterns of weak diffusers (T), JOSA 65: 769
- Local image restoration by a least-squares method (T), JOSA 69: 1333
- Maximum-likelihood restoration of nonstationary imagery (T), JOSA 64: 17
- Lahmann, W.** See Harms, J., AO 17: 1131
- Lai, Hon-ming.** See Feng, Shih-yu, AO 16: 1800
- ; Feng, Shih-yu: Resolving power in holographic Fourier-transform spectroscopy and the effects of nonlinear film response (T), JOSA 66: 761
- Laikin, Milton.** See Coffman, James E., JOSA 66: 1124
- Laine, R.** See de Korte, P. A. J., AO 18: 236
- Laing, Ronald A.** See Bursell, Sven-Erik, JOSA 65: 1171
- ; Oaks, Susan Mimura: Uniformity of film development resulting from different processing techniques (E), AO 15: 1276
- Lakshmi, A.** See Pritchard, H. O., AO 18: 2085
- Lam, D. K.** See Schmidt-Weinmar, H. G., JOSA 65: 1188
- Lam, Juan F.** See Colson, W. B., JOSA 68: 1620; Steel, Duncan G., OL 4: 363
- Lama, W. L.** See Gallo, C. F., AO 16: 819
- Lamare, M.** See Edwin, R. P., AO 17: 1066
- Lamb, John**
- Acoustic Surface Waves. Edited by A. A. Oliner (B), AO 18: 1128
- Lamb, Willis E., Jr.**
- ; Sargent, Murray, III; Menegozzi, Lionel N.: Classical treatment of laser dissociation of polyatomic molecules (A), JOSA 68: 638
- What's quantum about quantum optics? (A), JOSA 67: 1398
- Lambe, John.** See Weber, W. H., AO 15: 2299
- Lambert, A. M.** See Gagnaire, H., AO 18: 2510
- Lambert, D. K.**
- ; Richards, P. L.: Martin-Puplett interferometer: an analysis (TE), AO 17: 1595
- ; Richards, P. L.: Results in the theory of a plane-mirror interferometer (T), JOSA 68: 1124
- Lamberts, C. W.**
- Active imaging system: a long range scanned laser (E), AO 15: 1284
- Lamberts, Robert L.**
- Image Science: Principles, Analysis and Evaluation of Photographic-Type Imaging Processes. By J. C. Dainty and R. Shaw (B), JOSA 65: 1384
- Lambrich, R.** See von der Linde, D., JOSA 68: 664
- Lamont, Anne.** See Millodot, Michel, JOSA 64: 110
- Lamont, Robert G.** See Kato, Daisuke, AO 16: 1153
- Lamoureux, B. F.** See Boyer, G. R., AO 18: 1217, JOSA 65: 1319, JOSA 68: 471
- ; Prade, B. S.: Capacity of polarization and amplitude modulated links in the presence of atmospheric scintillation (T), AO 16: 1993
- LaMpton, Michael.** See Bowyer, Stuart, AO 16: 756; Kumar, Shailendra, AO 13: 575
- LaMuth, Henry L.**
- Measurements on Lambertian objects: some novel approaches (TE), AO 14: 1150
- Lamy, Philippe L.**
- Optical constants of crystalline and fused quartz in the far ultraviolet (E), AO 16: 2212
- Lance-Gomez, T.** See Caird, John A., JOSA 68: 549
- Land, Edwin H.** See McCann, John J., JOSA 67: 1380
- Land, R. I.**
- Monochromatic observations of pattern-induced flicker colors (A), JOSA 65: 1200
- Landau, H. J.**
- Loss in unstable resonators (T), JOSA 66: 525
- Landers, M. B., III.** See Wolbarsht, Myron L., AO 18: 1518
- Landheer, D.** See Thomas, P. J., JOSA 67: 1409
- Landis, Dennis J.** See Anderson, Robert E., JOSA 64: 1379
- Landry, M. J.**
- Beam characteristics of a lidar system (E), AO 13: 63
- Exploding PbS film Q-switch laser (E), AO 17: 635
- ; Phipps, G. S.: Holographic characteristics of 10E75 plates for single- and multiple-exposure holograms (ET), AO 14: 2260
- Large laser energy and power densities through optical fibers (A), JOSA 68: 1408
- ; Phipps, G. S.; Robertson, C. E.: Measurement of diffraction efficiency, SNR, and resolution of single- and multiple-exposure amplitude and bleached holograms (E), AO 17: 1764
- Optical and physical properties of vacuum-deposited PbS films (A), JOSA 68: 1423
- Landry, R. J.**
- ; Peterson, R. W.: Temperature dependent response of optical radiation measurement instrumentation (E), AO 16: 2968
- Landwehr, G.**
- Semiconductor cyclotron resonance: transport and surface phenomena (E), JOSA 67: 922
- Lane, Ben C.**
- Lowering of discomfort glare threshold with daily sustained accommodation (A), JOSA 67: 1427
- Myopia triggered by sustained accommodation and deficit-inducing diets (A), JOSA 69: 1477
- Retinal venous logistical changes associated with vision training therapy (A), JOSA 66: 1091
- Langdon, A. B.** See Barnes, C., JOSA 68: 543
- Lange, J. J.** See Mantz, Arlan W., AO 13: 193
- Lange, W.**
- ; Mlynek, J.: Quantum beats in transmission by time-resolved polarization spectroscopy (A), JOSA 68: 1637
- Lange, W. J.** See Hoffman, R. A., AO 14: 1803
- Langerholm, J.** See Halldorsson, T., AO 17: 240, AO 17: 3948
- Moving phase transitions in laser-irradiated biological tissue (T), AO 18: 2286
- Langhans, D.** See Eichler, H. J., AO 18: 1383
- Langlet, A.**
- ; Delage, C.; Stefanovitch, D.; Talureau, B.; Tuay, J.; Verveer, J.; Fischer, W. P.; Gilles, J. M.; Schep, R.; Leblanc, J.; Dambier, G.: High resolution Michelson interferometer for airborne infrared astronomical observations. 2: System design (E), AO 16: 1841
- Langlois, Pierre.** See Lessard, Roger A., JOSA 64: 551, AO 14: 565
- ; Cormier, M.; Beaulieu, R.; Blanchard, M.: Experimental evidence of edge parameter effects in light diffraction, using holography (E), JOSA 67: 87
- ; Boivin, Alberic; Lessard, Roger A.: Focal cross for holographic imagery (A), JOSA 65: 1223
- ; Boivin, Alberic: Influence of edge parameters on the angular dependence of the edge wave in the diffraction of polarized laser light by cylinders (A), JOSA 69: 1485
- ; Beaulieu, R.; Blanchard, M.; Cormier, M.: Study of boundary waves at 6328 by means of holography (A), JOSA 65: 1167
- Langner, D. G.** See Han, K. S., AO 16: 1260
- Lankard, J. R.** See Bethune, D. S., JOSA 68: 709, JOSA 68: 1639, JOSA 69: 372, OL 4: 103
- Lanson, R. N.**
- ; Schoenfeld, W. N.: Comparison of spectral sensitivity functions of the owl monkey at two stimulus sizes (A), JOSA 64: 1386
- Lantward, L.** See Schnopper, H. W., AO 16: 1088
- Lanzerotti, L. J.** See Cohen, R. L., AO 13: 2190
- Lapides, J.** See Kastner, Sidney O., JOSA 68: 1558
- Lapierre, J.**
- ; Phalippou, D.; Lowenthal, Serge: Optical Fourier analysis of acoustic fields (E), AO 14: 2184
- ; Phalippou, D.; Lowenthal, Serge: Visualization of traveling acoustic fields (E), AO 14: 1549
- Lapp, Marshall.** See Penney, C. M., JOSA 66: 1106, JOSA 64: 712, JOSA 66: 422
- ; Penney, C. M.: Measurement of gas properties: comments on the laser Raman workshop (M), AO 13: 9A14
- Lapson, L. B.** See Timothy, J. Gethyn, AO 13: 1417
- ; Timothy, J. Gethyn: Channel electron multipliers: detection efficiencies with opaque MgF<sub>2</sub> photocathodes at XUV wavelengths (E), AO 15: 1218
- Larimer, J.** See Hecht, David L., JOSA 68: 1363
- Larks, Leonard**
- Decade of interplanetary optical designs (A), JOSA 68: 1431
- Larmore, Lewis**
- Photographic Sensitometry: A Self-Teaching Text. By Hollis N. Todd (B), AO 16: 1118
- Solar Heating Design by the f-Chart Method. By William A. Beckman, Sanford A. Klein, and John A. Duffie (B), AO 18: 146
- Larrabee, Graydon B.**
- Laboratory methods to study thin-film phenomena (A), JOSA 69: 1426
- Larrabee, J. C.** See Palenius, Hans P., JOSA 68: 1564
- Larracy, N.** See Truong, V. V., AO 17: 2136
- Larsen, D. M.** See Moulton, Peter F., OL 1: 51
- Larson, D. J.** See Blumberg, W. A. M., JOSA 68: 624
- Larson, Harold P.**
- Airborne infrared astronomical observations by Fourier transform spectroscopy (ER), AO 17: 1352
- Exploration of the outer solar system by means of Fourier spectroscopy (A), JOSA 66: 1081
- Fourier-transform spectroscopy in astronomy (A), JOSA 64: 1357
- ; Fink, Uwe: Infrared Fourier spectrometer for laboratory use and for astronomical studies from aircraft and ground-based telescopes (E), AO 14: 2085
- Larson, John N.** See Marks, Robert J., II, AO 18: 754
- Larson, N. M.**
- ; Crosman, R.; Talmi, Y.: Theoretical comparison of singly multiplexed Hadamard transform spectrometers and scanning spectrometers (T), AO 13: 2662
- La Rue, J. C.** See Friehe, Carl A., JOSA 65: 1502
- La Russa, Joseph A.**
- ; Magarinos, Jose R.: Optical simulator with a holographic component (A), JOSA 67: 1374
- Lasalle, J.**
- ; Platz, P.: Multichannel Thomson scattering system for the tokamak TFR based on two-detector spectrum analyzers (E), AO 18: 4124
- Lasarev, D. N.** See Kondratyev, K. Ya., AO 16: 1770
- Lasinski, B. F.** See Barnes, C., JOSA 68: 543
- Laslett, L. J.** See Chattopadhyay, S., JOSA 68: 546
- Lasley, David J.** See Cohn, Theodore E., JOSA 64: 1715
- ; Greenhouse, Daniel S.; Cohn, Theodore E.: Further studies of the effect of stimulus parameter uncertainty upon visual detection performance (A), JOSA 66: 1079
- ; Cohn, Theodore E.: Power law psychometric functions: nonlinear transducer or uncertainty? (A), JOSA 67: 1426
- Laties, Alan M.**
- Ocular melanin (A), JOSA 67: 1362
- Latimer, Paul.** See Pyle, B. E., AO 18: 3615
- Determination of diffractor size and shape from diffracted light (T), AO 17: 2162



- ; Brunsting, Albert; Pyle, B. E.; Moore, Carey: Effects of asphericity on single particle scattering (T), AO 17: 3152  
Transmittance: an index to shape changes of blood platelets (T) (L), AO 14: 2324
- Latta, John N.**  
—; Leith, Emmett N.: Engineering Applications of Lasers and Holography. By Winston E. Kock (B), JOSA 69: 203
- ; Fairchild, Ronald C.: Holographic-optics telescopes—revisited (A), JOSA 64: 552
- Latta, M. R.** See Fleischer, J. M., JOSA 66: 381; Pole, Robert V., JOSA 68: 1443
- ; Pole, Robert V.: Design techniques for forming 488-nm holographic lenses with reconstruction at 633 nm (TE), AO 18: 2418
- Lau, A. S. Y.** See King, William B., JOSA 66: 1095; JOSA 68: 1374; JOSA 69: 1439
- Lau, K. Y.**  
—; Campbell, J. C.; Stone, J.: Magneto-optic bounce-cavity modulator (TE), AO 18: 3143
- Laub, Leonard J.**  
Demodulating an unresolved carrier (A), JOSA 64: 1401
- Laubereau, A.** See Kaiser, W., JOSA 68: 680
- ; Zinth, W.; Kaiser, W.: Effect of intermolecular coupling in coherent light-matter interaction (A), JOSA 68: 680
- Laude, Larry S.** See Gillespie, James B., AO 14: 807; Lindberg, James D., AO 13: 1923
- Lauer, J. P.** See Sutherland, K. K., AO 13: 1345
- Lauer, James L.**  
Applications of Laser Raman Spectroscopy. By Stanley K. Freeman (B), JOSA 64: 1150  
Raman Effect, Volume 2: Applications. Edited by Anthony Anderson (B), JOSA 64: 407
- Laughman, L. M.** See Hayes, C. L., AO 16: 263
- Laulainen, N. S.** See Alkezeeny, A. J., JOSA 67: 256
- Launay, Françoise.** See Petit, Alain, AO 17: 3081
- Laurence, Clifford L.**  
Response of a large-scale solar collector to cloud transits (A), JOSA 66: 1069
- Laurendeau, N. M.** See Lucht, R. P., AO 18: 866
- Lauterborn, W.** See Ebeling, K. J., AO 17: 2071
- Laval, S.** See Koster, A., JOSA 68: 682
- Lavan, M. J.**  
—; Cadwallender, W. K.; DeYoung, T. F.; Van Damme, G. E.: Optical heterodyne interferometer with radiofrequency phase reference (E) (L), AO 15: 2627
- Lavasek, J. W.** See Brannon, Paul J., AO 13: 1555
- Lavi, S.** See Miron, E., JOSA 69: 256
- ; Levin, L. A.; Liran, J.; Miron, E.: Efficient oscillator-amplifier dye laser pumped by a frequency-doubled Nd: YAG laser (E), AO 18: 525
- Lavigne, P.** See Lachambre, J.-L., JOSA 67: 1403; AO 17: 1015; Otis, Gabriel, JOSA 67: 1438; AO 18: 875; JOSA 67: 551
- ; Lachambre, J.-L.; Otis, Gabriel: Sequence band emission in a TEA-CO<sub>2</sub> amplifier (A), JOSA 67: 1404
- ; Lachambre, J.-L.; Otis, Gabriel: TEA-laser emission on the sequence bands of CO<sub>2</sub> (E), OL 2: 127
- Lavoie, Louis**  
Conical axicons used as optical polar everters (T) (L), AO 14: 1482
- Lavollee, M.**  
—; Robin, S.: Asymmetric concave gratings: theory and applications (T), JOSA 64: 319
- Law, H. D.**  
—; Tomasetta, L. R.; Nakano, K.: High-speed III-V avalanche photodetectors (A), JOSA 68: 632
- Lawandy, Nabil M.**  
Approximate analytic solutions for the optical pumping of fluorescent dyes (T), AO 18: 189
- Lawler, J. E.** See Goldsmith, J. E. M., OL 4: 581
- ; Fitzsimmons, W. A.; Anderson, L. W.: Narrow bandwidth dye laser suitable for pumping by a short pulse duration N<sub>2</sub> laser (E), AO 15: 1083
- Lawless, W. N.**  
—; Radebaugh, Ray; Siegwarth, J. D.: Improvements on "low-temperature dielectric bolometer" (TE), JOSA 64: 820
- ; Radebaugh, Ray; Siegwarth, J. D.: Improvements on "low-temperature dielectric bolometer" (errata), JOSA 64: 1730
- Lawley, K. L.** See Blum, F. A., JOSA 64: 1368
- Lawrence, George.** See Viswanathan, V. K., JOSA 68: 1390
- ; Sweatt, William C.: Application of the LOTS computer code to the Antares laser fusion system and other physical optics problems (A), JOSA 68: 1436
- ; Munroe, James L.: Effects of window segmentation on the LASL 100 kJ CO<sub>2</sub> laser-fusion system (A), JOSA 67: 1405
- ; Liberman, I.; Viswanathan, V. K.: Optical analysis of the LASL 10 kJ CO<sub>2</sub> laser fusion system (A), JOSA 67: 1405
- Lawrence, George M.**  
—; Kley, Dieter; Stone, Edward J.: Determination of the line shapes of atomic nitrogen resonance lines by magnetic scans (ET), AO 15: 2649
- Lawrence, Robert S.** See Clifford, S. F., JOSA 64: 1390; JOSA 68: 1425; JOSA 64: 148; Hill, R. J., JOSA 69: 1413; Ochs, G. R., AO 15: 2504; Wang, Ting-i, AO 16: 2236; AO 16: 3176; AO 17: 384
- Effects of the clear, turbulent atmosphere upon optical propagation (A), JOSA 65: 1182
- Lawrence, T. R.**  
—; Huffaker, R. M.; Hall, Freeman F., Jr.; Mandica, P. A.: Considerations of a satellite-borne global wind sensing coherent lidar (A), JOSA 68: 1430
- Lawton, R. A.** See Young, Matt, JOSA 67: 1398; AO 17: 1103
- ; Young, Matt: Laser-mode beating used for detector frequency-response measurements (E), AO 16: 2703
- Lax, Benjamin.** See Biron, D. G., OL 4: 381; Lee, N., JOSA 67: 255; Rosenbluh, M., JOSA 68: 1631; Weiler, M. H., JOSA 67: 255; Woskoboinikow, P., JOSA 68: 1394
- ; Aggarwal, R. L.: Far-infrared generation and applications (A), JOSA 64: 533
- Optics in plasmas: a perspective (A), JOSA 65: 1197
- Lax, M.** See Agrawal, G. P., JOSA 69: 1717; Louisell, William H., AO 18: 2730
- ; Agrawal, G. P.; Louisell, William H.: Continuous Fourier transform spline solution of unstable resonator field distribution (A), JOSA 68: 1644
- ; Agrawal, G. P.; Louisell, William H.: Continuous Fourier-transform spline solution of unstable resonator-field distribution (T), OL 4: 303
- ; Nelson, D. F.: Imaging through a surface of an anisotropic medium with application to light scattering (T), JOSA 66: 694
- ; Greninger, C. E.; Louisell, William H.; McKnight, W. B.: Large-mode-volume stable resonators (T), JOSA 65: 642
- ; Nelson, D. F.: Radiance theorem and optical invariants in anisotropic media (T), JOSA 65: 668
- Laybourn, P. J. R.** See Stewart, G., JOSA 66: 292
- Layer, Howard P.** See Harter, William G., OL 4: 90
- Acousto-optic modulator intensity servo (E), AO 18: 2947
- Field-emission-diode optical mixer (A), JOSA 67: 1398
- ; Deslattes, Richard D.; Schweitzer, Walter G., Jr.: Laser wavelength comparison by high-resolution interferometry (A), JOSA 64: 1387
- ; Deslattes, Richard D.; Schweitzer, Walter G., Jr.: Laser wavelength comparison by high resolution interferometry (E), AO 15: 734
- Layne, C. B.** See Weber, Marvin J., JOSA 66: 388; JOSA 68: 542
- Layne, Clyde B.** See Linford, Gary J., AO 14: 3057
- Layton, M. R.**  
—; Bucaro, J. A.: Optical fiber acoustic sensor utilizing mode-mode interference (E), AO 18: 666
- Lazar, Irving.** See DeAcetis, Louis A., AO 15: 244; JOSA 64: 106; Einstein, F. S., JOSA 67: 24
- Lazay, P. D.** See Cohen, R. L., JOSA 64: 526; AO 13: 2522; Nelson, D. F., JOSA 67: 1599; Wonsiewicz, B. C., AO 15: 1048
- ; Nelson, D. F.: Is the dispersive asymmetry of the elasto-optical tensor measurable? (A), JOSA 67: 1410
- Lazzara, S. P.** See Bridges, William B., JOSA 64: 541; AO 13: 291
- Leach, Sydney**  
Emission spectra of the CO<sub>2</sub><sup>+</sup> ion: spectroscopic studies and fluorescence quantum yields (A), JOSA 66: 1063
- Leader, J. Carl.** See Wilhelm, G. J., AO 15: 1877
- Analysis and prediction of laser scattering from rough-surface materials (T), JOSA 69: 610
- Analysis of the frequency spectrum of laser light scattered from moving rough objects (T), JOSA 67: 1091
- Analysis of the spatial coherence of laser light scattered from a surface with two scales of roughness (T), JOSA 68: 536
- Atmospheric propagation of partially coherent radiation (A), JOSA 67: 1376
- Atmospheric propagation of partially coherent radiation (T), JOSA 68: 175
- Bandpass filtering of moving-object laser heterodyne-signals by finite apertures (T), AO 17: 1194
- Equivalent source coherence of laser-illuminated rough surfaces (A), JOSA 66: 183
- Far-zone range-criteria for quasi-homogeneous partially coherent sources (T), JOSA 68: 1332
- Intensity fluctuations resulting from partially coherent light propagating through atmospheric turbulence (A), JOSA 68: 1369
- Intensity fluctuations resulting from partially coherent light propagating through atmospheric turbulence (T), JOSA 69: 73
- Spatial coherence measurements of Rayleigh-scattered light (T) (L), JOSA 65: 740
- Leary, K. M.** See Lyman, John L., JOSA 68: 683
- Leavitt, J. A.** See Cardon, Bartley L., JOSA 66: 1067
- Leavitt, R. P.** See Korff, David, JOSA 65: 1321
- LeBlanc, B.** See Gagne, Jean-Marie, AO 17: 2507; AO 18: 1084; AO 18: 2107
- LeBlanc, J.** See Langlet, A., AO 16: 1841
- LeBlanc, L. J.** See Truong, V. V., JOSA 68: 1017
- LeBlond, L. R.** See Karoli, A. R., JOSA 64: 546
- LeBlond, J.**  
—; El Badawy, El S.: Laser Doppler velocimetry using a superheterodyne spectrum analyzer (TE), AO 14: 902
- Leboeuf, J. N.** See Tajima, T., JOSA 68: 549
- Lebow, Paul.** See Feldman, Mark, AO 17: 774
- Lebowski, F.** See Balhorn, R., AO 14: 2955
- Lechner, H. B.** See Bauer, George T., JOSA 68: 1375; OL 4: 224
- Lecompte, C.** See Sanchez, F., AO 13: 1071
- Ledet, E.** See Ih, Charles S., JOSA 69: 1481
- Ledger, Anthony M.**  
Inhomogeneous interface laser mirror coatings (E), AO 18: 2979
- Monolithic interferometric angle sensor, AO 14: 3095
- le Duff, Y.** See Gharbi, A., AO 16: 3074
- Lee, A.** See Dugan, C. H., JOSA 67: 1425; AO 17: 1012; Hunsperger, R. G., JOSA 66: 292; AO 16: 1026; Tangonan, G. L., AO 16: 1795
- Lee, A. B.** See Burns, W. K., JOSA 66: 1101; AO 15: 1053; JOSA 64: 108; Milton, A. F., AO 15: 244
- Lee, C. H.** See Chiang, Fu-Pen, AO 16: 3085
- Lee, C. M.** See Skupsky, Stanley, JOSA 68: 549; Steel, Duncan G., JOSA 68: 550
- Lee, C. P.** See Gover, A., JOSA 66: 290; JOSA 66: 306
- ; Samid, I.; Gover, A.; Yariv, Amnon: Embedded GaAs-GaAlAs heterostructure lasers (A), JOSA 66: 291
- Lee, Calvin K.** See Cashdollar, Kenneth L., AO 18: 1763
- Lee, D.** See Stark, H., JOSA 65: 1177; Stark, Henry, AO 15: 2246; JOSA 65: 1436
- ; Stark, Henry: Planimetric analysis of color images using a vector least-squares algorithm (A), JOSA 64: 561
- ; Stark, Henry: Planimetric analysis of color images using least-squares and related algorithms (T), JOSA 65: 191
- Lee, El-Hang.** See Chang, R. K., JOSA 68: 1452
- ; Benner, R. E.; Fenn, J. B.; Chang, R. K.: Angular distribution of fluorescence from monodispersed particles (E) (L), AO 17: 1980
- ; Benner, R. E.; Fenn, J. B.; Chang, R. K.: Angular distribution of fluorescence from liquids and monodispersed spheres by evanescent wave excitation (ET), AO 18: 862
- Lee, Gary.** See Schroeder, George, AO 15: 604
- Lee, J. C.**  
Multilayer optical interference coatings via glow discharge polymerization techniques (E), AO 17: 2645



- Lee, J. H.** See Song, J. J., JOSA 68: 645, JOSA 69: 1476
- Lee, J. Kelly**  
Piezoelectric bimorph optical beam scanners: analysis and construction (ET), AO 18: 454
- Lee, J. N.** See Berg, N. J., AO 18: 2767
- Lee, J. T.** See Anderson, G. K., OL 3: 10
- Lee, J.-S.** See Meier, R. R., AO 17: 3216
- Lee, Kenneth.** See Strosio, Michael A., JOSA 68: 661
- Lee, M.** See Rayner, D. M., AO 17: 2730
- Lee, M.-P.** See Kratochvil, J. P., AO 17: 1978
- Lee, Myung Hun.** See Churnside, James H., JOSA 68: 1369; Holmes, J. Fred, JOSA 69: 1412; McIntyre, Charles M., AO 18: 3211
- , Holmes, J. Fred; Kerr, J. Richard: Generalized spherical wave mutual coherence function (T) (L), JOSA 67: 1279
- , McIntyre, Charles M.: Statistics of irradiance scattered from a diffuse object containing multiple glints (A), JOSA 68: 1369
- , Holmes, J. Fred; Kerr, J. Richard: Statistics of speckle propagation through the turbulent atmosphere (A), JOSA 66: 180
- , Holmes, J. Fred; Kerr, J. Richard: Statistics of speckle propagation through the turbulent atmosphere, JOSA 66: 1164
- Variance and covariance of irradiance of finite beam in extremely strong turbulence (T), 167 (A), JOSA 68: 540
- , Elliott, Richard A.; Holmes, J. Fred; Kerr, J. Richard: Variance of irradiance for saturated scintillations (T), JOSA 66: 1389
- Lee, N.**  
—, Aggarwal, R. L.; Lax, Benjamin: Infrared generation by nonlinear 4-photon mixing in germanium (A), JOSA 67: 255
- , Aggarwal, R. L.: Single longitudinal mode TEA CO<sub>2</sub> laser with tilted intracavity etalon (L), AO 16: 2620
- Lee, P. H.** See Benard, D. J., AO 16: 2108; Monchalin, J.-P., OL 1: 5, OL 1: 140
- , Woolsey, G. A.; Slafer, W. D.: Integration over cylindrical luminous volumes using a calibrated piston source (E), AO 15: 2825
- Lee, P. H. Y.** See Attwood, D. T., JOSA 68: 544; Phillion, D. W., JOSA 68: 544
- Lee, Ping.** See Fenimore, E. E., AO 18: 945; Mitchell, Kenneth B., JOSA 68: 547; van Hulsteyn, David B., OL 4: 126
- Lee, R. K.** See Bradley, W. C., JOSA 64: 531
- Lee, R. W.**  
Remote probing using spatially filtered apertures (TE), JOSA 64: 1295
- Lee, Roswell.** See Cooperstein, G., JOSA 68: 545
- Lee, S. A.** See Helmcke, J., JOSA 68: 1635
- , Helmcke, J.; Hall, J. L.; Stoicheff, B. P.: Doppler-free two-photon transitions to Rydberg levels: convenient, useful, and precise reference wavelengths for dye lasers (ET), OL 3: 141
- Lee, S. H.**  
—, Petuchowski, S. J.; Rosenberger, A. T.; DeTemple, T. A.: Synchronous, mode-locked pumping of gas lasers (ET), OL 4: 6
- Lee, Sing H.** See Akins, Robert P., JOSA 68: 1361; Athale, Ravindra A., JOSA 69: 1422; Bartholomew, Bruce, JOSA 68: 1377; Cederquist, Jack, JOSA 69: 1459; Goldberg, Lew, AO 18: 2045; Leger, James R., JOSA 68: 1414; Stalker, K. Terry, JOSA 64: 545
- Lee, T. C.** See Tamura, Poohsan N., JOSA 69: 1451
- , Rebholz, Joseph J.; Tamura, Poohsan N.: Dual-axis joint-Fourier-transform correlator (ET), OL 4: 121
- Holographic recording on thermoplastic films (E), AO 13: 888
- , Schmit, F. M.; Tufte, O. N.; Marzwell, Neville I.: Thermoplastic-photoconductor tape for optical recording (ET), AO 17: 2802
- Lee, T. P.** See Glöge, D., AO 13: 261
- Single-transverse-mode injection lasers with embedded stripe layer grown by molecular-beam epitaxy (A), JOSA 66: 291
- Lee, Wai-Hon.** See Bryngdahl, Olof, JOSA 64: 1370, JOSA 65: 1224, AO 15: 183, JOSA 64: 1606, JOSA 68: 310
- Binary computer-generated holograms (A), JOSA 69: 1402
- Binary computer-generated holograms (ET), AO 18: 3661
- Binary synthetic hologram (A), JOSA 64: 551
- Binary synthetic holograms (ET), AO 13: 1677
- Circular-carrier hologram (A), JOSA 64: 1382
- Circular-carrier holograms (errata), JOSA 65: 974
- Circular-carrier holograms (TE), JOSA 65: 518
- , Bryngdahl, Olof: Computer-generated holograms in shearing interferometry (A), JOSA 64: 1370
- Contour map display using computer-generated holograms (TE), AO 14: 2447
- , Streifer, William: Diffraction efficiency of evanescent-wave holograms (A), JOSA 67: 1432
- , Streifer, William: Diffraction efficiency of evanescent-wave holograms. I. TE polarization (T), JOSA 68: 795
- , Streifer, William: Diffraction efficiency of evanescent-wave holograms. II. TM polarization (T), JOSA 68: 802
- High efficiency multiple beam gratings (TE), AO 18: 2152
- Holographic grating scanners with aberration corrections (A), JOSA 66: 1062
- Holographic grating scanners with aberration corrections (ET), AO 16: 1392
- , Greer, Milton O.: Matched filter optical processor (TE), AO 13: 925
- Optical data storage using PPM and PWM (TE), AO 14: 2217
- , Streifer, William: Radiation loss calculations for corrugated dielectric waveguides (A), JOSA 68: 1372
- , Streifer, William: Radiation loss calculations for corrugated dielectric waveguides: TM polarization (A), JOSA 69: 1483
- , Streifer, William: Radiation loss calculations for corrugated dielectric waveguides (T), JOSA 68: 1701
- , Streifer, William: Radiation loss calculations for corrugated dielectric waveguides. II: TM polarization (T), JOSA 69: 1671
- Lee, William W.** See Bloom, Louis R., JOSA 64: 524; Wei, David T. Y., JOSA 64: 1366
- Lee, Y. T.** See Schultz, P. A., JOSA 68: 638; Sudboe, A. S., OL 4: 219
- Lee, Yong-Kyung**  
—, Wang, Shyh: Electrooptic Bragg-deflection modulators: theoretical and experimental studies (TE), AO 15: 1565
- Leeb, Walter R.** See Schiffer, Gerhard, AO 18: 2096
- , Schiffer, Gerhard; Scheiterer, Eduard: Optical fiber gyroscopes: Sagnac or Fizeau effect? (TE) (L), AO 18: 1293
- Thin slits: transmission and polarization; comment (L), AO 15: 2619
- Tunability characteristics of waveguide CO<sub>2</sub> lasers with internal etalons (T), AO 14: 1706
- Tunable metal film filters as narrowband IR laser reflectors (TE), AO 15: 681
- Variable beam attenuator for the infrared (TE) (L), AO 13: 17
- Leeper, Ramon J.** See Farnsworth, Archie V., Jr., JOSA 68: 549
- , Chang, James: Scintillator-photomultiplier response to a simulated REB generated thermonuclear neutron pulse (A), JOSA 68: 547
- Lees, David.** See Baumeister, Philip W., AO 18: 3127
- , Baumeister, Philip W.: Multiple-cavity FTR polarizers (A), JOSA 67: 1430
- , Baumeister, Philip W.: Versatile frustrated-total-reflection polarizer for the infrared (T), OL 4: 66
- Lefebvre, J. E.** See Hardy, John W., JOSA 67: 360
- Lefkowitz, I.** See Kwon, Y. S., AO 18: 1700
- Le Floch, A.**  
—, Le Naour, R.; Stephan, G.; Brun, P.: Frequency stabilization of a tunability of lasers; use of mobile dips and peaks (ET), AO 15: 2673
- Leger, D.**  
—, Mathieu, E.; Perrin, J. C.: Determination of surface roughness by correlation of speckle patterns (A), JOSA 66: 182
- , Mathieu, E.; Perrin, J. C.: Optical surface roughness determination using speckle correlation technique (TE), AO 14: 872
- , Perrin, J. C.: Real-time measurement of surface roughness by correlation of speckle patterns (TE), JOSA 66: 1210
- Leger, James R.**  
—, Cederquist, Jack; Lee, Sing H.: Microcomputer-based hybrid processor applied to new optical processing applications (A), JOSA 68: 1414
- Legge, Gordon E.**  
Spatial frequency masking in human vision: monocular and dichoptic presentation (A), JOSA 67: 1408
- Spatial frequency masking in human vision: binocular interactions (E), JOSA 69: 838
- Le Grand, Yves**  
Fundamental research on vision (A), JOSA 64: 1374
- Lehmberg, R. H.** See McMahon, G. M., JOSA 68: 542
- Lehn, W. H.**  
—, El-Arini, M. B.: Computer-graphics analysis of atmospheric refraction (TE), AO 17: 3146
- Novaya Zemlya effect: an arctic mirage (T), JOSA 69: 776
- Lehovec, Kurt.** See Fedotowsky, Andre, AO 13: 2638, AO 13: 2919, AO 16: 582
- Lehto, A.** See Harjunmaa, H., AO 18: 959
- Leib, Kenneth G.**  
—, Bondurant, Robert A.; Hsiao, Stephen S.; Wohlers, Martin Ron; Herold, Ron: Aerial reconnaissance film screening using optical matched-filter image-correlator technology (ET), AO 17: 2892
- Leibolt, W. N.** See Stolen, R. H., AO 15: 239
- Leibowitz, Herschell W.** See Owens, D. Alfred, JOSA 65: 358; Post, Robert B., JOSA 69: 89; White, Keith D., JOSA 69: 1424
- , Owens, D. Alfred: Night myopia and the intermediate dark focus of accommodation (E), JOSA 65: 1121
- Leighty, Robert D.**  
Applying optical pattern-recognition techniques to aerial photographic analysis and stereographic mapping problems (A), JOSA 66: 387
- Hybrid image processing in pattern recognition (A), JOSA 69: 1431
- Leinert, C.** See Pitz, E., AO 17: 730
- , Kluppelberg, D.: Stray light suppression in optical space experiments (E), AO 13: 556
- Leipertz, A.**  
—, Fiebig, M.: Optical energy and spatial filter for high local resolution Raman spectroscopy with giant pulse lasers (ET), AO 18: 357
- Leistner, A. J.**  
Teflon polishers: their manufacture and use (L), AO 15: 293
- Leite, R. C. C.** See Arguello, C. A., AO 13: 1731
- Leith, Emmett N.** See Chang, Byung Jin, OL 4: 118, AO 14: 1592, JOSA 69: 689; Chang, J. S., JOSA 68: 1377; Kung, G. C., JOSA 65: 1166, AO 14: 2614; Latta, John N., JOSA 69: 203; Roth, James A., JOSA 69: 1402
- , Swanson, G. J.: Achromatic systems for white light holography (A), JOSA 69: 1435
- , Chen, Hsuan: Deep-image rainbow holograms (ET), OL 2: 82
- Effect and suppression of speckle in images (A), JOSA 66: 176
- , Chang, Byung Jin; Alferness, Rod C.; Case, Steven K.: Interferometrically produced gratings for interferometers (A), JOSA 64: 558
- , Roth, James A.: Noise performance of an achromatic coherent optical system (T), AO 18: 2803
- , Kung, G. C.: Wavelength dispersion in a composite volume grating (T) (L), AO 15: 1679
- , Chen, Hsuan; Roth, James A.: White light hologram technique (ET) (L), AO 17: 3187
- , Roth, James A.: White-light information processing (A), JOSA 67: 1423
- , Roth, James A.: White light optical processing and holography, AO 16: 2565
- Leland, W. T.** See Ganley, T., JOSA 68: 543; Stark, E. E., Jr., JOSA 68: 547; Stratton, T. F., JOSA 68: 543
- Lemaitre, Gerard**  
Reflective Schmidt anastigmat telescopes and pseudo-flat made by elasticity (T), JOSA 66: 1334
- Le Marshall, J. F.** See Barton, I. J., OL 4: 78
- LeMaster, E. W.** See Chance, J. E., AO 16: 407, AO 17: 2629
- Lemens, P. O.** See Rowlands, R. E., AO 18: 1886
- Lemke, D.** See Hofmann, W., AO 16: 3125
- Lempel, Abraham**  
Hadamard and M-Sequence transforms are permutationally similar (T) (L), AO 18: 4064
- Lempicki, A.**  
—, McCollum, B.; Chinn, S. R.; Hong, H. Y.-P.: Lasing and fluorescence in K<sub>2</sub>NdLiF<sub>10</sub> (A), JOSA 68: 630
- Le Naour, R.** See Le Floch, A., AO 15: 2673
- Lencioni, Donald E.**  
Laser-induced atmospheric breakdown (A), JOSA 65: 1182
- Lengkeek, H. P.**  
—, Winsemius, P.: Polarization of light sources: a photographic method (E), AO 14: 2766



- Lengyel, G.**  
—; Wolf, H. D.; Zschauer, K. H.: Lateral modes in wide GaAs-GaAlAs DH laser diodes (A), JOSA 67: 1424
- Lennon, P. J.** See Nolen, R. L., Jr., JOSA 68: 44
- Lenoble, Jacqueline**  
Inversion methods in atmospheric remote sounding: an interactive workshop, Williamsburg, 15-17 Dec 1976 (M), AO 16: 1120  
Review of radiative transfer methods in scattering atmospheres (A), JOSA 67: 260
- Lentz, William J.**  
Generating Bessel functions in Mie scattering calculations using continued fractions (T), AO 15: 668
- Lenz, H.** See Eichler, J., AO 16: 27
- Lenzen, K.** See Beuermann, K. P., AO 16: 1425
- Leonard, Carl D.** See Chang, Byung Jin, JOSA 66: 1063, AO 18: 2407; Fienup, James R., AO 18: 631; Upatnieks, Juris, JOSA 69: 1402
- Leonard, D. A.**  
—; Caputo, B.; Hoge, F. E.: Remote sensing of subsurface water temperature by Raman scattering (ET), AO 18: 1732
- Leonard, R. Leon**  
Measurements of small signal absorption at high temperature for the 001-100 band of CO<sub>2</sub> (E), AO 13: 1920
- Leonard, Steve.** See Kellman, Peter, AO 16: 1113
- Leonenberger, F. J.**  
—; Donnelly, J. P.; Bozler, C. O.: Low-loss GaAs  $p^+-n-n^+$  optical striplines fabricated using Be<sup>+</sup> ion implantation (A), JOSA 66: 290  
—; Donnelly, J. P.; Bozler, C. O.: Wavelength dependence of GaAs directional couplers and electrooptic switches (ET), AO 17: 2250
- Leone, Stephen R.**  
Lasers in Chemistry: Proceedings of the London Conference 31 May-2 June 1977. Edited by Michael A. West (B), AO 17: 497
- Leopold, K. E.** See Alcock, A. J., JOSA 68: 717
- Leopold, Lutz**  
Lasers and Coherence Spectroscopy. Edited by Jeffrey I. Steinfeld (B), AO 18: A160  
Spectrometric Techniques, Volume 1. Edited by George A. Vanasse (B), AO 17: 2473  
Spectroscopy. By K. I. Tarasov (B), AO 14: 2310
- Lephardt, John O.**  
—; Vilcins, Gunars: Kinetics of multicomponent reactions using an FTS system (A), JOSA 64: 1363
- Leppelmeier, G. W.** See Simmons, W. W., AO 13: 1629
- Lerche, R. A.** See Coleman, Lamar W., JOSA 68: 547; Greenwood, J. R., JOSA 68: 547
- Lerfeld, G.** See Wang, Ting-i, AO 16: 2236
- Lerfeld, Gordon M.** See Post, Madison J., JOSA 68: 540
- Lerner, Robert M.**  
—; Seay, Thomas S.: Optimum filters and integrators for photoelectric detection of optical signals (A), JOSA 68: 1384
- Leslie, D. H.** See Woods, D. R., JOSA 65: 1201
- Lessard, Roger A.** See Beaulieu, R., JOSA 67: 1434, JOSA 68: 1442, AO 17: 3619, AO 18: 3076; Couture, Jean J. A., AO 18: 3644, AO 18: 3652; Langlois, Pierre, JOSA 65: 1223; Paradis, Michel, JOSA 69: 1459  
—; Langlois, Pierre; Boivin, Alberic: Color holography of three-dimensional objects (A), JOSA 64: 551  
—; Boivin, Alberic; Couture, Jean J. A.: Diffraction efficiency of constitutive holograms in multiplex holography (A), JOSA 65: 1219  
—; Couture, Jean J. A.; Boivin, Alberic: Influence of the reciprocity law for the Kodak 649F plate used as detector in multiplexing holography (A), JOSA 66: 1083  
—; Langlois, Pierre; Boivin, Alberic: Orthoscopic color holography of 3-D objects (E) (L), AO 14: 565
- Lessman, Gerhard**  
Adaptive self-optimizing multilayer thin-film-design computer program (A), JOSA 64: 548
- Lessor, Delbert L.**  
—; Hartman, John S.; Gordon, Richard L.: Quantitative surface topography determination by Nomarski reflection microscopy. I. Theory (T), JOSA 69: 357
- Lester, Robert S.**  
—; Saito, Theodore T.: Aging of optical properties of polished copper mirrors (E) (L), AO 16: 2035  
—; Saito, Theodore T.: Nondegradation of optical properties due to aging of copper (A), JOSA 66: 1105
- Letokhov, Vladilen S.** See Ambartzumian, R. V., JOSA 68: 686, OL 1: 22; Antonov, V. S., OL 3: 37; Bekov, G. I., OL 3: 159
- ; Minogin, V. G.: Cooling, trapping, and storage of atoms by resonant laser fields (T), JOSA 69: 413  
Detection of single atoms and molecules by laser-induced selective multistep ionization (A), JOSA 68: 657  
High resolution infrared spectroscopy, fourth international seminar, Liblice, 6-10 Sep 1976 (M), AO 16: 787
- ; Minogin, V. G.: Laser monochromator of a relativistic proton beam with resolution and accuracy up to  $2 \times 10^5$  (A), JOSA 68: 1632  
Optical conference in GDR, First National, Jena, 26-30 June 1978 (M), AO 18: 258  
Selective laser photophysics and photochemistry (A), JOSA 66: 1116
- Le Toullec, R.** See Piccoli, N., AO 16: 1236
- Lettieri, T.**  
—; Brody, Edward M.; Bassett, W.: NaNO<sub>3</sub> soft-lattice mode observed using Raman scattering (A), JOSA 67: 1411
- Letts, S. A.** See Johnson, W. L., JOSA 68: 550
- Leuenberger, H. U.**  
—; Herziger, G.: Optical pump system for mode-controlled laser operation (E), AO 14: 1190
- Leung, Chung-Yee.** See Bessey, J. S., JOSA 66: 1072; Bosacchi, B., JOSA 68: 681; Scully, Marlan O., JOSA 66: 1083
- Leung, K. M.** See Emmel, P. M., JOSA 68: 1416  
—; Tang, C. C.; Soileau, M. J.; Bass, Michael: Damage-resistant optical components for 2-5  $\mu$ m laser systems (A), JOSA 66: 383  
—; Bernal G., Enrique; Loomis, John S.; Wyant, James C.; Emmel, P. M.: Performance of a holographic and shearing interferometer (A), JOSA 68: 1416
- Levenson, Marc D.** See Eesley, G. L., OL 3: 178; Harper, C. D., JOSA 67: 579; Marburger, J. H., JOSA 68: 642; Song, J. J., JOSA 68: 645, JOSA 69: 1476  
Coherent Raman bag of tricks (A), JOSA 66: 1117  
Laser spectroscopy with polarization selective heterodyne detection (A), JOSA 68: 1432  
—; Song, J. J.: Raman-induced Kerr effect with elliptical polarization (TE), JOSA 66: 641
- Levi, Leo**  
Blackbody temperature for threshold visibility (ET) (L), AO 13: 221  
Equivalent passband of perfect lens (T) (L), JOSA 64: 730
- Levin, Ira W.**  
Raman Effect, Volume 1: Principles; Volume 2: Applications. Edited by A. Anderson (B), AO 13: 2436
- Levin, Kenneth H.** See Tang, C. L., JOSA 68: 646, AO 17: 3865
- Levin, L. A.** See Lavi, S., AO 18: 525; Miron, E., JOSA 69: 256
- Levin, S. Benedict**  
Remote Sensing: Energy Related Studies. Edited by T. Nejat Veziroglu (B), AO 15: 1110
- Levine, Judah**  
Application of precision laser metrology to problems of geophysical interest (A), JOSA 66: 1129
- Levine, Paul H.**  
Absorption efficiencies for large spherical particles: a new approximation (T) (L), AO 17: 3861
- Levine, R. D.** See Jensen, C. C., JOSA 68: 709
- Levine, Randolph H.**  
—; Flagg, Judith C.: Numerical image manipulation and display in solar astronomy (TE), AO 16: 938
- Levinson, John Z.**  
Mathematics in visual psychophysics (A), JOSA 69: 1432
- Levitt, J. A.**  
—; Weber, W. H.: Materials for luminescent greenhouse solar collectors (ET), AO 16: 2084  
—; Stetson, Karl A.: Mechanical vibrations: mapping their phase with hologram interferometry (ET), AO 15: 195
- Levy, Donald H.**  
Laser-induced fluorescence excitation spectroscopy of van der Waals molecules (A), JOSA 67: 1387
- Levy, Judith E.** See Soltzberg, L. J., AO 16: 3206
- Levy, Saul**  
Optical Phenomena in the Atmosphere Observed from Manned Spacecraft. By Beregovoi, Buznikov, Kondratiev, Lazarev, Miroshnikov, Nikolaev, Sevastyanov, Smoktii, and Khrunov, K. Ya. Kondratiev, Ed. (B), AO 13: 1A18
- Levy, U.** See Blit, S., OL 2: 77; Friesem, A. A., OL 2: 133, AO 15: 3009; Silberberg, Y., JOSA 69: 960  
—; Friesem, A. A.: Optical rearrangement of light information transmitted through incoherent fiber bundles (A), JOSA 68: 1384
- Levy, Y.** See Loulergue, J. C., JOSA 67: 1446
- ; Neumann, G.; Treves, D.: Ablative flashlamps for high peak power dye lasers (E), AO 16: 2293  
—; Dupeyrat, R.; Imbert, C.: Methods for obtaining the Raman spectrum of a thin-film on a dielectric or metal surface (A), JOSA 67: 1410
- Lewis, A. L.** See Pavlopoulos, T. G., AO 16: 1466
- Lewis, A. R.**  
—; Rumsey, V. H.: Angular spectrum measurements of atmospheric turbulence (ET), JOSA 67: 178
- Lewis, Aaron.** See Campillo, A. J., JOSA 68: 692; Collins, David W., AO 16: 252  
Excited States of Biological Molecules, based on the Proceedings of the International Conference at the Calouste Gulbenkian Foundation Centre, Lisbon, Portugal, on April 18-24, 1976. Edited by J. B. Birks (B), JOSA 68: 1288
- Lewis, Alan Laird**  
Evaluation of the Lovibond color-vision analyzer (A), JOSA 65: 1175
- Lewis, B. R.** See Carver, J. H., AO 17: 420
- Lewis, J. A.**  
Laser heating of an optical fiber (T), AO 15: 1304
- Lewis, Joel H.** See Matteson, Halsey H., JOSA 64: 1403, JOSA 69: 92
- Lewis, Owen**  
—; Abate, Joseph; Jacobs, Stephen F.; Refermat, Stanley; Walsh, Kenneth; Almquist, Thomas; Dunn, Michael; Sampath, Ravi: Active mirror: large aperture, repetition-rate Nd:Glass amplifier (A), JOSA 68: 542
- Lewis, R. B.** See Kao, Cheng C., JOSA 65: 1189
- Lewis, Robert W.**  
Alignment of microcircuit chips using optically smeared images (A), JOSA 68: 1377  
Alignment of microcircuit chips using optically smeared images (E), AO 18: 331  
Real-time coherent optical edge enhancement (E) (L), AO 17: 161  
Real-time optical edge enhancement (A), JOSA 66: 1127
- Lewittes, M.** See Shay, T., JOSA 68: 1356
- Li, Chun-Pang**  
—; Davis, Jeffrey: Photoacoustic spectroscopy in several gases at CO<sub>2</sub> laser wavelengths (E) (L), AO 18: 3541
- Li, Hui H.**  
—; Humphreys, Curtis J.: Interferometric observations of Ar I in the photographic region (ET), JOSA 64: 1072
- Li, Ming Chiang**  
Scattering of two coherent light beams (T), JOSA 65: 586
- Li, Ta-Chun.** See Strong, John, JOSA 66: 634
- Li, Tingye**  
Prospects for optical-fiber communication (A), JOSA 65: 1220
- Liang, C. Y.** See Hung, Y. Y., AO 16: 1717, AO 18: 1046
- Liao, P. F.** See Bjorklund, Gary C., JOSA 67: 251; Bloom, David M., JOSA 68: 689, JOSA 68: 1367, OL 2: 58; Economou, N. P., OL 3: 172; Freeman, Richard R., JOSA 68: 1378; Humphrey, L. M., JOSA 69: 1475; Weber, H. P., JOSA 64: 1337  
Applications of coherent transient techniques to two-photon spectroscopy (A), JOSA 68: 646  
—; Bloom, David M.: Continuous-wave backward-wave generation by degenerate four-wave mixing in ruby (E), OL 3: 4  
—; Bjorkholm, J. E.; Berman, P. R.: Measurements of velocity-changing collisions using two-photon spectroscopy with a resonant intermediate state (A), JOSA 68: 1412  
—; Bjorkholm, J. E.; Berman, P. R.: Velocity-changing collisions: effects on two-photon and stepwise absorption lineshapes (A), JOSA 69: 1397



- Libelo, Louis F.** See Andrews, C. L., JOSA 64: 528, JOSA 65: 1167, JOSA 69: 1473; Chuang, Intaik, JOSA 67: 1561, JOSA 67: 1566
- Liberman, I.** See Bausman, M. D., JOSA 68: 1441; Klein, Morris, JOSA 68: 1426; Lawrence, George, JOSA 67: 1405; Parker, J. V., JOSA 66: 387; Stump, J., JOSA 68: 543; Viswanathan, V. K., JOSA 68: 1390, JOSA 69: 1454
- ; Hayden, J. J.; Singer, Sidney: Prepulse elimination in high-power CO<sub>2</sub> lasers (A), JOSA 66: 387
- Licht, Jeffrey L.** See Frumkes, Thomas E., JOSA 65: 1205
- Lide, David R., Jr.**  
Atomic and Molecular Science and Technology Symposium, National Bureau of Standards, 7–8 Sep 1978 (M), AO 18: 2
- Lieber, Albert J.**  
—; Sutphin, H. Dean; Webb, Clinton B.; Williams, Arthur H.: Development of subpicosecond x-ray and visible streak camera (A), JOSA 66: 384
- ; Sutphin, H. Dean: Picosecond framing camera using a passive microchannel plate (ET) (L), AO 18: 745
- Lieberman, A. G.**  
Advances in Optical and Electron Microscopy, Volume 6. Edited by R. Barer and V. E. Cosslett (B), AO 15: 2606
- Lieberman, Irving.** See Singer, Sidney, JOSA 68: 542
- Liebman, P. A.** See Jagger, W. S., JOSA 66: 56; Lienesch, J. H. See Wark, D. Q., AO 13: 507
- Liepins, R.** See Stupin, D. M., JOSA 68: 1364
- Lies, Ken.** See Querry, Marvin R., AO 17: 353
- Liesveld, R. P.** See Buckman, A. B., JOSA 64: 1384
- Liewer, Kurt M.**  
—; Knapp, S. L.; Currie, Douglas G.: Practical stellar amplitude interferometer (A), JOSA 65: 1199
- Light, W. D.**  
—; Smolka, F. M.: Optical characteristics of a clear epoxy (E) (L), AO 17: 3518
- ; Smolka, F. M.: Optical characteristics of a clear epoxy: erratum (errata), AO 18: 1139
- Ligor, P. A.** See Lipson, Herbert G., AO 15: 2352
- Lilly, Julius Q.** See Wallace, James, JOSA 64: 1651
- Lilly, R. A.**  
Transition probabilities for the Ne I 3p-4d array (T) (L), JOSA 66: 971
- Transition probabilities in the spectra of Ne I (T), JOSA 65: 389
- Transition probabilities in the spectra of Ne I, Ar I, and Kr I (T), JOSA 66: 245
- Lillywhite, P. G.**  
Single-photon signals and intrinsic noise in locust photoreceptors (A), JOSA 69: 1469
- Lim, T. K.** See Caudle, George F., JOSA 65: 1207; Garside, B. K., AO 17: 3670
- ; Lit, John W. Y.: Analysis of asymmetric slab waveguides (A), JOSA 67: 1394
- ; Caudle, George F.; Izatt, Jerald R.: Analysis of the saturation of molecular absorption (A), JOSA 65: 1207
- Limm, A. C.** See O'Brien, J. T., JOSA 66: 383
- Limperis, T.**  
Infrared Detectors. Edited by Richard D. Hudson, Jr., and Jacqueline Wordsworth Hudson (B), AO 14: 2803
- Lin, B. J.**  
Near-field diffraction of bar targets, gratings, and Fresnel zone plates (A), JOSA 64: 528
- Lin, C. J.** See Chiang, Fu-Pen, AO 18: 1424
- Lin, C.-H.**  
—; Marshall, B. R.; Nelson, Melvin A.; Theobald, J. K.: Backward stimulated Raman scattering in multimode fiber (E) (L), AO 17: 2486
- ; Nelson, Melvin A.; Marshall, B. R.; Ogle, J. W.: Characteristics of stimulated Raman scattering in multimode fiber (A), JOSA 68: 1383
- Lin, Chinlon.** See Chang, T. Y., JOSA 66: 362; Cohen, Leonard G., AO 16: 3136; Stolen, R. H., JOSA 66: 1101, JOSA 68: 633
- ; Stolen, R. H.; Malone, T. G.; French, William G.: Continuous wave tunable near-infrared (1.085–1.175- $\mu$ m) Raman oscillator (E), OL 1: 96
- ; Cohen, Leonard G.; French, William G.: Determination of the zero-material-dispersion wavelength in germanium- and phosphorus-doped silica fibers (A), JOSA 68: 633
- ; Stolen, R. H.; Tasker, G. W.; Cohen, Leonard G.; French, William G.: Efficient near-infrared stimulated Raman scattering in glass fiber waveguides (A), JOSA 67: 255
- ; Stolen, R. H.; Jain, R. K.: Group velocity matching in optical fibers (ET), OL 1: 205
- ; Jain, R. K.; Stolen, R. H.: High-efficiency tunable cw fiber Raman oscillator (A), JOSA 67: 250
- ; Stolen, R. H.; Cohen, Leonard G.: Raman 1.1  $\mu$ m fiber oscillator tuned by group velocity dispersion (A), JOSA 67: 709
- ; Stolen, R. H.: Tunable near-infrared Raman oscillators and their applications (A), JOSA 67: 1361
- Lin, Chun L.**  
—; Gutman, W. M.; Shaw, John H.; Uselman, W. M.; Calvert, J. G.: Analyzing spectral data: use of a graphics display terminal (E) (L), AO 17: 993
- ; Shaw, John H.: Line parameters determined by spectral curve fitting (A), JOSA 67: 1442
- Lin, Heh-Sen**  
Mean received field statistical behavior of a focused-beam propagation through the turbulent atmosphere (A), JOSA 65: 1218
- Lin, J. C.** See Tai, Anthony M., JOSA 67: 1381
- Lin, J. H.** See Mar, H. Y. B., JOSA 67: 252
- Lin, J. W.** See Moravec, T. J., JOSA 69: 1438
- Lin, Jui-Teng**  
—; George, Thomas F.: Kinetic model of laser-stimulated desorption and surface processes (A), JOSA 69: 1472
- Lin, M. C.**  
—; Shortridge, R. G.; Umstead, M. E.; Woods, F. J.: Reaction energy distribution studied by a laser resonant absorption method (A), JOSA 65: 1162
- Lin, Shih-Chun**  
Laser pulse discrimination by nonlinear optical techniques (A), JOSA 68: 1378
- ; Giallorenzi, Thomas G.: Sensitivity analysis of the Sagnac-effect optical-fiber ring interferometer (T), AO 18: 915
- Lind, Larry F.** See O'Donovan, Philip L., AO 15: 1299
- Lind, Michael A.** See Geist, Jon, JOSA 65: 1178; Zalewski, Edward F., JOSA 65: 1179
- ; Zalewski, Edward F.: Silicon photodetector instabilities in the UV (E) (L), AO 15: 1377
- Lind, Richard C.** See Abrams, Richard L., OL 2: 94, OL 3: 205; Jain, R. K., OL 4: 328; Kokorowski, S. A., JOSA 68: 1385; Stephens, Ronald R., OL 3: 79
- ; Klein, M. B.; Jain, R. K.; Steel, Duncan G.; Giuliano, Concetto R.; Abrams, Richard L.: Phase conjugation at 10.6  $\mu$ m by resonantly enhanced degenerate four-wave mixing (A), JOSA 69: 372
- Lind, T. A.** See Shen, C. C., JOSA 67: 708
- Lindberg, James D.** See Gillespie, James B., JOSA 67: 1363, AO 14: 807, AO 17: 989; Pinnick, R. G., JOSA 68: 540; Schleusener, Stuart A., JOSA 66: 1088, AO 14: 2564, AO 15: 2546
- Absorption coefficient of atmospheric dust and other strongly absorbing powders: an improvement on the method of measurement (TE) (L), AO 14: 2813
- ; Gillespie, James B.: Kubelka-Munk optical properties of a barium sulfate white reflectance standard: a comment (E) (L), AO 16: 2627
- ; Laude, Larry S.: Measurement of the absorption coefficient of atmospheric dust (ET), AO 13: 1923
- ; Gillespie, James B.: Particle size dependence of the composition and complex refractive index of atmospheric dust: measurements and discussion (A), JOSA 67: 1364
- ; Gillespie, James B.: Relationship between particle size and imaginary refractive index in atmospheric dust (E) (L), AO 16: 2628
- Lindblom, Peter.** See Dahlbacka, Jarl, AO 16: 288; Fellman, Jacob, AO 16: 1085
- ; Dahlbacka, Jarl: Achromatic imaging of distant objects in selected wavelength bands with plane and concave holographic gratings (TE), AO 17: 2934
- Linde, R.** See Dallas, W. J., OL 3: 247
- Lindgren, G.** See Yeh, Cavour, AO 16: 483
- Lindl, John D.**  
Low aspect ratio double shells for high density and high gain (A), JOSA 68: 549
- Lindman, Erick L.** See Strosio, Michael A., JOSA 68: 661
- Lindman, Harold.** See Caelli, Terry, JOSA 68: 402
- Lindmayer, Joseph**  
Theoretical and practical boundaries of solar electricity (A), JOSA 64: 1361
- Lindner, F. W.**  
—; Rudolph, W.; Brumme, G.; Fischer, Heinz: Laser initiated spark development in an air gap (E), AO 14: 2225
- Lindsay, J. M.** See Frazier, Gene F., AO 15: 1350
- Lindsay, S. M.**  
—; Burgess, S.; Shepherd, I. W.: Correction of Brillouin linewidths measured by multipass Fabry-Perot spectroscopy (TE), AO 16: 1404
- Lindsey, Charles A.**  
Effect of diffraction in multiple-grid telescopes for x-ray astronomy (T), JOSA 68: 1708
- Lindsey, Delwin T.** See Bowen, Richard W., JOSA 67: 1501; Pokorny, Joel, JOSA 67: 1380, JOSA 69: 103, JOSA 69: 1049
- Phase-dependent sensitivity to heterochromatic flicker (A), JOSA 69: 1420
- Linford, Gary J.** See Auerbach, J. M., AO 18: 2495; Fountain, W. D., JOSA 66: 388; Stokowski, S. E., JOSA 68: 542; Weber, Marvin J., JOSA 68: 388, JOSA 68: 542
- ; Yarema, S. M.: Design techniques and measured performance for a uniformly pumped 4 cm diameter rod amplifier (A), JOSA 66: 388
- ; Yarema, S. M.; Hurley, C. A.; Crothers, W. T.; Jones, W. A.; Hagen, W. F.; Trenholme, John B.: High-radiance Nd-doped disk laser amplifiers for the Shiva laser system (A), JOSA 68: 548
- ; Hill, Lowell W.: Nd:YAG long lasers (ET), AO 13: 1387
- ; Chau, Henry H.; Glaze, James A.; Layne, Clyde B.; Rainer, Frank: Pump-induced optical distortions in disk amplifier modules: holographic and interferometric measurements (E), AO 14: 3057
- ; Peressini, Eugene R.; Sooy, Walter R.; Spaeth, Mary L.: Very long lasers (E), AO 13: 379
- Ling, C. C.** See Bradley, D. J., JOSA 68: 702
- Lingeman, Richard R.**  
Copyright and the right to copy (N), AO 14: A40
- Link, H.** See Pitz, E., AO 17: 730
- Link, Josef.** See von Ortenberg, Michael, JOSA 67: 968
- Linnebur, Eldon J.** See Gitomer, Steven J., JOSA 68: 659
- Linton, Roger C.** See Kroes, Roger L., JOSA 66: 999
- Linz, Arthur.** See Castleberry, Donald E., AO 14: 2056
- Liou, Kuo-Nan**  
Theory of the scattering-phase-matrix determination for ice crystals (T), JOSA 65: 159
- Liphardt, B.** See Schaefer, Fritz P., JOSA 68: 1644
- Lipkin, Bernice Sacks**  
Perception of Displayed Information. Edited by Lucien M. Biberian (B), AO 13: 6A18
- Lipofsky, B.**  
OSA Florida Section, winter meeting, Florida Atlantic University, 27 Jan 1979 (M), AO 18: 1283
- Lipson, Herbert G.** See Bendow, Bernard, JOSA 67: 253, AO 16: 2909; Martin, J. J., JOSA 67: 253
- Impurity absorption in CVD ZnSe (A), JOSA 67: 253
- Impurity absorption in CVD ZnSe (E), AO 16: 2902
- ; Stierwalt, D. L.; Skolnik, Lyn H.: Small absorption coefficient measurement by calorimetric and spectral emittance techniques (E) (L), AO 13: 1741
- ; Tsay, Yet-Ful; Bendow, Bernard; Ligor, P. A.: Temperature dependence of the refractive index of alkaline earth fluorides (E), AO 15: 2352
- Lipson, S. G.** See Janai, M., OL 2: 51; Steinhaus, Ehud, JOSA 69: 478
- ; Nilsson, Peter: Imaging characteristics of the Itok PROM (E), AO 13: 2052
- Physics of Liquid and Solid Helium, Part 2. Edited by K. H. Bennemann and J. B. Ketterson (B), AO 18: 1987
- Liran, J.** See Lavi, S., AO 18: 525
- Lisa, J.** See Pernick, B. J., JOSA 66: 382, AO 17: 21
- Liston, E. M.** See Marling, Jack B., AO 13: 2317
- Lit, Alfred**  
—; Finn, John Patrick: Variability of depth-discrimination thresholds as a function of observation distance (E) (L), JOSA 66: 740



- Lit, John W. Y.** See Fujii, Hitoshi, JOSA 67: 1366, AO 17: 2690; Lim, T. K., JOSA 67: 1394; Otis, Gabriel, JOSA 64: 1404, AO 14: 1156, JOSA 67: 551; Vincent, Denis, JOSA 67: 1394, AO 14: 1256, AO 16: 816, JOSA 66: 226, JOSA 67: 533; Westwood, William D., JOSA 64: 1631
- Aberrations of the Symmetrical Optical System.** By W. T. Welford (B), JOSA 65: 973
- ; **Rochette, D.** Diffractional effects produced by strips laid on planar guides (A), JOSA 65: 1222
- Progress in Optics, 11.** Edited by Emil Wolf (B), JOSA 64: 1570
- Radius of uncladded optical fiber from back-scattered radiation pattern,** JOSA 65: 1311
- Litfin, Gerd.** See Beigang, R., JOSA 68: 636; Koch, Klaus-P., OL 4: 387; Pollock, C. R., JOSA 69: 1463
- Litovitz, Theodore A.** See Simmons, Joseph H., AO 18: 2732
- Little, A. C.**
- ; **Gaines, R.** Oddity recognition as a test for hue-difference perception (A), JOSA 64: 1385
- Little, V. I.** See Cutter, M. A., AO 13: 1399, AO 15: 2954
- Littman, Michael G.** See Ducas, Theodore W., JOSA 65: 1163
- Single-mode operation of grazing-incidence pulsed dye laser (ET),** OL 3: 138
- ; **Metcalf, Harold J.** Spectrally narrow pulsed dye laser without beam expander (ET), AO 17: 2224
- Liu, B.** See Allebach, J. P., JOSA 66: 1131, AO 14: 3062, AO 15: 2183, JOSA 66: 909, JOSA 67: 1147; Gallagher, Neal C., Jr., JOSA 65: 182
- ; **Gallagher, Neal C., Jr.** Convergence of a spectrum shaping algorithm (T) (L), AO 13: 2470
- ; **Gallagher, Neal C., Jr.** Optimum Fourier-transform division filters with magnitude constraint (T), JOSA 64: 1227
- Liu, B. D.** See Su, Y. K., AO 18: 3510
- Liu, Bede.** See Matsumoto, Steve, AO 18: 2792
- Liu, Benjamin Y. H.** See Willeke, Klaus, JOSA 66: 382
- Liu, C. H.**
- ; **Yeh, K. C.** Propagation of pulsed beam waves through turbulence, cloud, rain, or fog (T), JOSA 67: 1261
- ; **Yeh, K. C.** Temporal moments of pulsed beam waves in turbulent media (A), JOSA 68: 540
- Liu, C. S.** See Chen, H. H., JOSA 68: 543
- Liu, H. P.** See Livanos, Alexander C., JOSA 66: 172
- Liu, Hua-Kuang.** See Owen, Robert B., JOSA 67: 1365
- ; **Karim, Mohammad A.** Analysis of image reproduction using a linear line screen (T), OL 4: 408
- Coherent optical analog-to-digital conversion by using a single halftone photograph (A),** JOSA 66: 1127
- Coherent optical analog-to-digital conversion using a single halftone photograph (TE),** AO 17: 2181
- ; **Goodman, Joseph W.; Chan, Joseph L.-H.** Equidensitometry by coherent optical filtering (E), AO 15: 2394
- ; **Karim, Mohammad A.** High fidelity image reproduction by a line halftone screen of linear cell transmittance (A), JOSA 69: 1442
- New and direct optical analog-to-digital conversion method (TE),** OL 3: 244
- Newly invented halftone screens and improved polychromatic reproduction process (A),** JOSA 68: 1401
- New parallel processing optical analog-to-digital conversion method (A),** JOSA 68: 1376
- Liu, P. L.**
- ; **Parametric generation of single picosecond tunable pulses (E) (L),** AO 18: 3545
- ; **Yen, R.** Passively mode-locked unstable Nd:YAG oscillator (E) (L), AO 18: 600
- Synchronously pumped LiNbO<sub>3</sub> optical parametric oscillator (E) (L),** AO 18: 3543
- ; **Yen, R.; Bloembergen, N.** Two-photon absorption coefficients in UV window and coating materials (E), AO 18: 1015
- Liu, Y. J.** See Collins, Stuart A., Jr., JOSA 66: 1066, JOSA 68: 539
- Liu, Yung S.**
- ; **Direct measurement of the refractive indices for a small numerical aperture cladded fiber: a simple method (E) (L),** AO 13: 1255
- Generation of high-power nanosecond pulses from a Q-switched Nd:YAG oscillator using intracavity-injecting technique (E),** OL 4: 372
- Laser isotope separation using two-photon selective excitation; its quantum efficiency and separation factor (T),** AO 13: 2505
- Nanosecond pulse generation from a self-injected laser-pumped dye laser using a novel cavity-flipping technique (E),** OL 3: 167
- Livanos, Alexander C.** See Agmon, P., AO 16: 2612; Katzir, A., JOSA 68: 1364
- ; **George, Nicholas.** Edge diffraction of a convergent wave (TE), AO 14: 608
- ; **Liu, H. P.** Image processing of digitized diffractographic profile data (A), JOSA 66: 172
- ; **Katzir, A.; Shellan, Jeffrey B.; Yariv, Amnon.** Linearity and enhanced sensitivity of the Shipley AZ-1350B photoresist (E), AO 16: 1633
- Livingston, A. E.** See Berry, H. Gordon, AO 16: 3200; Garnir, H. P., JOSA 67: 751; Irwin, David J. G., JOSA 66: 1396
- ; **Dumont, P. D.; Baudinet-Robinet, Y.** Configuration mixing between  $2p3p$  and  $2s4s$  in Niv (E) (L), JOSA 66: 375
- ; **Baudinet-Robinet, Y.; Garnir, H. P.; Dumont, P. D.** Radiative-lifetime measurements for Si III  $3s4s^3S$ , S v  $3s4f^2F^o$ , and Si IV and S VI  $4f^2F^o$  (E), JOSA 66: 1393
- Livingston, J. M.** See Russell, Philip B., JOSA 68: 1358
- Livingston, Peter M.**
- ; **Comparison of measured 3.8- $\mu$ m scattering from naturally occurring aerosols with that predicted by measured particle size statistics,** AO 17: 818
- Linear laser-propagation losses in the atmosphere: a current assessment (A),** JOSA 65: 1182
- Propagation of high-power laser beams in the atmosphere (A),** JOSA 64: 543
- Livingston, William C.**
- ; **Schrage, D.; Gillespie, B.; Slaughter, C.; Harvey, J. E.; Pierce, A. Keith; Simmons, J. E.** Kitt Peak 60-cm vacuum telescope (E), AO 15: 33
- ; **Lynch, David K.** Mountain shadow phenomena (ET), AO 18: 265
- ; **Harvey, J. E.; Trumbo, D.; Slaughter, C.** Solar magnetograph employing integrated diode arrays (E), AO 15: 40
- ; **Visibility of the solar H and K lines in the glitter from snow (A),** JOSA 66: 1088
- Livnat, Aminadav.** See Kafri, Oded, OL 4: 314
- Lizet, Jacques.** See Valette, Serge, AO 16: 1289
- Lizuka, Keigo.** See Gregoris, Loris G., AO 14: 1487
- Ljung, Bo H. G.**
- ; **Fabrication of a ring laser gyroscope (A),** JOSA 68: 1380
- Lloyd, M.**
- ; **Thermal imaging systems principles (A),** JOSA 66: 389
- Lo, C. M.**
- ; **Sawchuk, Alexander A.** Nonlinear restoration of blurred images with Poisson noise (A), JOSA 69: 1441
- Lo, D. S.**
- ; **Johnson, L. H.; Honebrink, R. W.** Fatigue of thermoplastic recording devices (A), JOSA 66: 1084
- ; **Photochromic salicylideneaniline as storage medium for interferometry and high speed recording (E),** AO 13: 861
- ; **Johnson, L. H.; Honebrink, R. W.** Spatial-frequency response of thermoplastic films (A), JOSA 64: 1394
- ; **Johnson, L. H.; Honebrink, R. W.** Spatial frequency response of thermoplastic films (E) (L), AO 14: 820
- Lo, Shui-Yin.** See Box, Michael A., JOSA 67: 259, AO 16: 341
- Lochte-Holtgreven, W.**
- ; **Atoms and Molecules in Electric Fields.** By Nils Ryde (B), AO 16: 1775
- Locke, Edward B.**
- ; **High-power industrial CO<sub>2</sub> lasers and their applications (A),** JOSA 66: 379
- Locke, J. R.** See Taylor, F. W., AO 18: 3893
- Lockie, Richard.** See Williams, Vernon L., JOSA 68: 1426
- Loebenstein, H. M.** See Arad, B., JOSA 68: 544
- Loeber, A. P.** See Lu, Shan-ling, JOSA 65: 248
- Loekberg, Ole J.** See Hoegmoen, Kare, AO 16: 1277
- Chopped laser light in electronic speckle pattern interferometry (ET),** AO 18: 2377
- Electronic speckle pattern interferometry—today and tomorrow (A),** JOSA 69: 1422
- ; **Hoegmoen, K.; Holje, O. M.** Vibration measurement on the human ear drum *in vivo* (E), AO 18: 763
- Loewen, Erwin G.** See Harrison, George R., AO 15: 971, AO 15: 1744; Wilson, I. J., AO 18: 426
- ; **Neviere, Michel; Maystre, Daniel.** Asymptotic theory of diffraction gratings used in the scalar domain (T), JOSA 68: 496
- ; **Neviere, Michel.** Dielectric coated gratings: a curious property (TE), AO 16: 3009
- Dividing, Ruling and Mask-Making.** By D. F. Horne (B), JOSA 65: 469
- ; **Neviere, Michel; Maystre, Daniel.** Efficiency optimization of rectangular groove gratings for use in the visible and IR regions (TE), AO 18: 2262
- ; **Neviere, Michel; Maystre, Daniel.** Grating efficiency theory as it applies to blazed and holographic gratings (TE), AO 16: 2711
- Joint measurement conference, National Bureau of Standards, 12-14 Nov 1974 (M),** AO 14: 555
- ; **Neviere, Michel; Maystre, Daniel.** Optimal design for beam sampling mirror gratings (T) (L), AO 15: 2937
- ; **Bartle, Leon.** Properties and manufacture of blazed holographic gratings (A), JOSA 69: 1427
- ; **Neviere, Michel.** Simple selection rules for VUV and XUV diffraction gratings (TE), AO 17: 1087
- Loewenstein, Ernest V.** See Smith, Donald R., AO 14: 1335, AO 14: 2473, AO 15: 859
- Solar Heated Buildings, A Brief Survey, 5th Edition.** Shurcliff, W. A. (B), JOSA 65: 103
- Lof, George O. G.**
- ; **Solar heating and cooling of buildings (A),** JOSA 64: 1360
- Logan, R. A.** See Merz, J. L., JOSA 66: 292; Rigrod, W. W., JOSA 65: 46; Shelton, J. C., JOSA 69: 1483, AO 17: 890, AO 17: 2548
- Integrated optical circuits grown by liquid-phase epitaxy (A),** JOSA 66: 290
- Loh, E., Jr.** See Flannery, M., AO 18: 1428; Sparks, M., JOSA 69: 847, JOSA 69: 859
- Loh, K. W.**
- ; **Smith, W. R.; Grudkowski, T.; Chang, William S. C.** Bragg coupling efficiency for guided acoustooptics interaction in GaAs (TE), AO 15: 156
- ; **Chang, William S. C.; Becker, Richard A.** Convolution using guided acousto-optical interaction on As<sub>2</sub>S<sub>3</sub> waveguides (A), JOSA 66: 290
- Loh, L. T.** See Bartman, F. L., JOSA 66: 860
- Lohmann, A. W.** See Bartelt, H. O., JOSA 69: 1402, JOSA 69: 1467; Braunecker, B., AO 18: 2746; Haeusler, G., JOSA 66: 169
- Applications of holography and optical data processing, ICO conference, Jerusalem, 23-26 Aug 1976 (M),** AO 16: 2
- Incoherent optical processing of complex data (T) (L),** AO 16: 261
- ; **Strand, T. C.** Nonlinear optical image processing (A), JOSA 66: 170
- ; **Weigelt, Gerd P.** Speckle methods for the display of motion paths (TE), JOSA 66: 1271
- ; **Rhodes, William T.** Two-pupil synthesis of optical transfer functions (T), AO 17: 1141
- ; **Weigelt, Gerd P.** Vibration signature from speckle (A), JOSA 66: 177
- Lojko, M. J.** See Kuhn, Peter M., AO 13: 512
- Lokberg, Ole J.**
- ; **Hogmoen, Kare.** Vibration phase mapping using electronic speckle pattern interferometry (E), AO 15: 2701
- Lombardi, Gabriel G.**
- ; **Smith, Peter L.; Parkinson, W. H.** High current hollow cathode tube as a source of metastable atoms (E), JOSA 69: 1289
- Lomheim, T. S.**
- ; **DeShazer, L. G.** Determination of optical cross sections by the measurement of saturation flux using laser-pumped laser oscillators (TE), JOSA 68: 1575
- ; **DeShazer, L. G.** Laser cross sections of neodymium materials determined by laser-pumped-laser cw oscillators (A), JOSA 68: 1388
- Lon, Chnlon.** See Bloom, David M., OL 4: 297
- Long, D. See Bretz, Norton, AO 17: 192**



- Long, Gerald M.** See Sakitt, Barbara, JOSA 68: 1450  
Unspecified role of cones and rods in grating detection (T) (L), JOSA 68: 1009
- Long, Marshall B.** See Murphy, Daniel V., OL 4: 167
- Long, Ronald K.** See Mills, Frank S., JOSA 64: 541, JOSA 64: 1391, JOSA 65: 1164, JOSA 65: 1201; Nordstrom, R. J., AO 17: 2724; Peterson, J. C., JOSA 66: 1072, AO 15: 2974, AO 18: 834
- Long, Walter F.**  
Matrices and lens calculations: comments (L), AO 18: 1126
- Long, William H., Jr.** See Stappaerts, E. A., OL 3: 226; West, John B., JOSA 69: 1449
- Longshaw, T. G.**  
Field spectroscopy for multispectral remote sensing: an analytical approach (ET), AO 13: 1487
- Lontz, R.** See Kwon, Y. S., AO 18: 1700
- Look, D. C.**  
—; Johnson, W. L.: Transmittance of photochromic glass at environmental extremes (E) (L), AO 18: 595
- Loomis, Jack M.**  
Complementary afterimages and the unequal adapting effects of steady and flickering light (E), JOSA 68: 411
- Loomis, John S.** See Hayes, John, JOSA 69: 1418; Leung, K. M., JOSA 68: 1416  
Analysis of interferometric data for the multiple-mirror telescope optics (A), JOSA 66: 1116  
Locating fringes on digitized video interferograms (A), JOSA 66: 1117  
Making computer-generated holograms on image-processing equipment (A), JOSA 68: 1440
- Loos, G. C.**  
—; Hogge, C. B.: Turbulence of the upper atmosphere and isoplanatism (E), AO 18: 2654
- Lopasov, V. P.** See Antipov, A. B., AO 18: 3014
- Lopez-Delegado, R.** See Andre, J. C., AO 18: 1355
- Lopez-Lopez, Fernando Jose**  
Relationship between the geometric and matrix representations of Gaussian optics (A), JOSA 64: 564
- Lopez-Otero, A.** See Burkhard, H., JOSA 67: 943
- Lord, Richard C.**  
—; Chen, Michael C.: Laser Raman spectroscopy of transfer RNA molecules (A), JOSA 65: 1164
- Loree, T. R.** See Barker, Dean L., AO 16: 1792  
—; Sze, Robert C.; Ackerhalt, J. R.; Barker, Dean L.: Broadband UV stimulated Raman scattering with excimer lasers (A), JOSA 68: 677
- Lorensen, L. E.** See Johnson, W. L., JOSA 68: 550
- Lorents, Donald C.** See Margevicius, J. A., JOSA 68: 705  
Electronic Transition Lasers: 2. Edited by L. E. Wilson, S. N. Suchard, and J. I. Steinfeld (B), AO 17: 2474
- Lorre, J. J.**  
—; Lynn, D. J.; Benton, W. D.: Developments at JPL in the application of digital image processing techniques to astronomical images (A), JOSA 66: 174
- Losee, David L.**  
Injection Electroluminescent Devices. By C. H. Gooch (B), JOSA 64: 1021  
Introduction to the Quantum Theory of Semiconductors. By Marvin Morris Cohen (B), JOSA 64: 1569  
Physics and Technology of Semiconductor Light Emitters and Detectors. Edited by A. Frova (B), JOSA 64: 735  
Semiconductor Physics. By K. Seeger (B), JOSA 64: 1279
- Lostis, P.** See Dupoisot, Henri, AO 13: 464, AO 13: 1605
- Lotem, Haim**  
—; Lynch, R. T., Jr.: Double-wavelength laser (A), JOSA 65: 1207  
New interference effects in the third-order nonlinear susceptibility,  $\chi^{(3)}$  (A), JOSA 66: 1118  
—; Smith, W. Lee; Bechtel, J. H.; Bloembergen, N.: Normalization technique for accurate measurement of two-photon absorption coefficients (A), JOSA 66: 78
- Lotmar, T.** See Lotmar, W., JOSA 64: 510
- Lotmar, W.**  
Optics in Switzerland (R), AO 14: 2355  
—; Lotmar, T.: Peripheral astigmatism in the human eye: experimental data and theoretical model predictions (ET), JOSA 64: 510
- Lotsch, Helmut K. V.**  
Correction to the theory of the Goos-Haenchen shift by Lotsch by C. K. Carniglia (T): reply (L), JOSA 66: 1426
- Lotspeich, James F.** See Barnoski, M. K., JOSA 66: 290; Tanganan, G. L., AO 17: 3259  
Explicit general eigenvalue solutions for dielectric slab waveguides (T), AO 14: 327  
Modulation-sensitivity enhancement in electro-optic slab waveguides (TE), JOSA 65: 797  
Single-crystal electrooptic thin-film waveguide modulators for infrared laser systems (E), AO 13: 2529
- Lougheed, R. W.** See Worden, Earl F., JOSA 64: 77
- Loughhead, R. E.**  
—; Bray, R. J.; Brown, N.: Instrumental profile of a triple Fabry-Perot interferometer for use in solar spectroscopy (T), AO 17: 415
- Loughin, S.**  
—; Yang, C. Y.; Fischer, John E.: On-line data reduction with a prism spectrometer (E), AO 14: 1373
- Louisell, William H.** See Colson, W. B., JOSA 68: 1620; Lax, M., JOSA 68: 1644, OL 4: 303, JOSA 65: 642; Scully, Marlan O., JOSA 66: 1109  
—; Lax, M.; Agrawal, G. P.; Gatzke, H. W.: Simultaneous forward and backward integration for standing waves in a resonator (T) (L), AO 18: 2730
- Louisnard, Nicole.** See Fontanella, Jean-Claude, AO 14: 825; Girard, Andre, JOSA 64: 256
- Loulergue, J. C.**  
—; Imbert, C.; Levy, Y.: High-sensitivity two-dimensional heat detection by means of a fluid interface (A), JOSA 67: 1446
- Lovaas, K.** See Ersoy, O., AO 14: 21
- Love, James D.** See Horan, John J., AO 13: 1230, AO 14: 2053
- Love, John D.** See Snyder, Allan W., AO 15: 236; Winkler, Clive, JOSA 68: 1408  
—; Winkler, Clive: Attenuation and tunneling coefficients for leaky rays in multilayered optical waveguides (T), JOSA 67: 1627  
—; Snyder, Allan W.: Fresnel's and Snell's laws for the multimode optical waveguide of circular cross section (T), JOSA 65: 1241  
—; Snyder, Allan W.: Generalized Fresnel's laws for a curved absorbing interface (T), JOSA 65: 1072  
—; Snyder, Allan W.: Optical fiber eigenvalue equation: plane wave derivation (T), AO 15: 2121  
—; Winkler, Clive: Refracting leaky rays in graded-index fibers (T), AO 17: 2205  
—; Winkler, Clive: Step index limit of power law refractive index profiles for optical waveguides (T), JOSA 68: 1188
- Love, P. J.** See Benard, D. J., AO 16: 2108
- Love, Roy E.** See Thiel, Frank L., AO 13: 240
- Love, W. F.** See Hochheimer, H. D., JOSA 66: 1106
- LoVecchio, P.**  
—; Daly, P. J.: Focal plane temperature stability requirements for thermal imaging systems using extrinsic Si:In detectors (T), AO 18: 2598
- Lovelace, C. R.** See Stone, F. T., OL 2: 43, AO 17: 2484
- Lovelace, D. F.** See Garmire, E., AO 15: 1394; Kirkby, P. A., JOSA 66: 293
- Lovell, D. J.**  
Fibre Optics: Theory and Practice. By W. B. Allan (B), AO 14: 1740  
Michelson, Albert A., Master of Light: A Biography. By Dorothy Michelson Livingston (B), AO 13: 10A18  
NASA Tech Briefs (N), AO 17: 8  
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OSA, annual meeting, Boston, 21-24 Oct 1975 (M), AO 15: 299  
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Climatic impact assessment program, 4th conference, Cambridge, 4-7 Feb 1975 (M), AO 14: 1049  
Electro-Optics Markets and Technology Proceedings of the First European Conference. Edited by H. A. Eliot (B), AO 13: 186
- Patent Patter (N).** AO 16: 2592, AO 17: A154, AO 18: 2585, AO 18: A254
- Patents (N).** AO 15: 8, AO 13: A26, AO 15: 325, AO 15: 582, AO 15: 830, AO 15: 1345, AO 15: 1358, AO 15: 1669, AO 15: 1887, AO 15: 2037, AO 15: 2296, AO 15: 2608, AO 16: 11, AO 16: 279, AO 16: 538, AO 16: 798, AO 16: 1127, AO 16: 1757, AO 16: 1813, AO 16: 2026, AO 16: 2341, AO 16: 2788, AO 16: 3246, AO 17: 326, AO 17: 681, AO 17: 995, AO 17: 1468, AO 17: 1666, AO 17: 1985, AO 17: 2259, AO 17: 2665, AO 17: 3507
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- Lovill, James E.** See Porch, William M., JOSA 67: 258
- Low, F. J.** See Armstrong, K. R., AO 13: 425
- Low, Richard D. H.**  
—; Gomez, Richard B.: Analysis of radiative properties of warm clouds at infrared wavelengths (A), JOSA 67: 261
- Lowdermilk, W. H.** See Carniglia, Charles K., JOSA 69: 1446; Davis, S. J., AO 17: 3184; Murray, J. E., JOSA 68: 547
- Lowe, A. T.** See Cranfill, B., JOSA 68: 550  
—; Fries, R. J.: Plasma polymerized films as laser fusion targets (A), JOSA 68: 550
- Lowe, D. G.** See Dobrowolski, J. A., JOSA 67: 1429, AO 17: 3039
- Lowe, R. S.** See Gerhardt, H., JOSA 68: 626
- Lowe, R. W.** See Ketcham, David J., JOSA 66: 171
- Lowen, E. G.**  
Soft x-ray performance of shallow blazed diffraction gratings (A), JOSA 67: 1439
- Lowenthal, Dennis D.**  
Far-field diffraction patterns for Gaussian beams in the presence of small spherical aberrations (T) (L), JOSA 65: 853  
Marechal intensity criteria modified for Gaussian beams (T), AO 13: 2126  
Marechal intensity criteria modified for Gaussian beams (T) (errata), AO 13: 2774
- Lowenthal, Serge.** See Chavel, Pierre, JOSA 69: 1441, JOSA 66: 14, JOSA 68: 559; Lapiere, J., AO 14: 1549, AO 14: 2184  
Analog image processing in Europe (A), JOSA 66: 170  
Noise problems in optical image processing (A), JOSA 66: 178  
—; Chavel, Pierre: Reduction of the number of samples in computer holograms for image processing (T) (L), AO 13: 718
- Lowndes, R. P.** See Pai, K. F., JOSA 67: 914, JOSA 68: 1322  
—; Rastogi, A.: Collision-induced far-infrared absorption in helium-argon mixtures and nitrogen at high pressure (E), JOSA 67: 905
- Lowrey, Dane O.** See Adelman, Stephen, JOSA 66: 380
- Lowy, D. N.** See Ray, P. S., JOSA 68: 550
- Loy, M. M. T.** See Bethune, D. S., JOSA 68: 1639  
Two-photon coherent effects: theory and experiment (A), JOSA 68: 695
- Loyd, Robert.** See Spears, Kenneth G., AO 16: 1172
- Lozier, D. W.**  
Digital Filters and the Fast Fourier Transform. Edited by Bede Liu (B), AO 15: 2293
- Lu, K. T.** See Fonck, F. J., JOSA 68: 551; Tomkins, Frank S., JOSA 68: 1446  
Electric-field-induced resonances (A), JOSA 68: 1446  
On the role of autoionizing resonances in nonlinear optics (A), JOSA 68: 674



- Quantum-defect analysis of the effects of  $np^2$  terms on the singlet terms of alkaline earths and of their isoelectronic sequences (T), JOSA 64: 706
- Lu, Shan-ling**  
—; Loeber, A. P.: Depolarization of white light by a birefringent crystal (T), JOSA 65: 248
- Lubezky, I.**  
—; Ceren, E.: Multilayer edge filter for the 3.2–4.9- $\mu$ m range (ET), AO 17: 2648
- Lubin, M.**  
Laser fusion studies at the University of Rochester (A), JOSA 68: 548  
—; Soares, J. M.: Omega X, a high peak power glass laser users facilities (A), JOSA 66: 390
- Lubnau, Donald G.**  
Maximum likelihood estimate of target angles for a conical scan tracking system in the presence of speckle (T), AO 16: 184
- Luc, P.**  
—; Gerstenkorn, S.: Fourier transform spectroscopy in the visible and ultraviolet range, AO 17: 1327
- Lucas, Robert N.** See Quick, R. Frank, Jr., JOSA 68: 1400, OL 4: 306
- Lucatorto, T. B.** See Ederer, D. L., JOSA 69: 520; Sugar, Jack, OL 4: 109  
—; Roberts, J. R.; McIlrath, Thomas J.: Capillary array: a new type of window for the vacuum ultraviolet (E), AO 18: 2505  
—; Mehlman, G.; McIlrath, Thomas J.: Time-resolved measurements of the far UV output of a BRV source (E) (L), AO 18: 2916
- Lucht, R. A.**  
—; Beardall, J. S.; Kennedy, R. C.; Sullivan, G. W.; Rink, J. P.: Multiple-photon absorption of 16- $\mu$ m radiation in UF<sub>6</sub> at 300 K (E), OL 4: 216
- Lucht, R. P.**  
—; Laurendeau, N. M.: Two-level model for near saturated fluorescence in diatomic molecules (T), AO 18: 856
- Lucy, Robert F.** See Estes, Lee E., JOSA 64: 295
- Ludmirsky, A.**  
—; Cohen, C.; Kagan, Yu.: Simple fast-scanning Fabry-Perot spectrometer (E), AO 18: 545
- Ludwig, C. B.**  
—; Griggs, M.; Malkmus, W.; Bartle, E. R.: Measurement of air pollutants from satellites. I: Feasibility considerations (T), AO 13: 1494
- Luethi, H. R.**  
—; Steinger, J.: Continuous 6 watt Ne II-UV-laser (A), JOSA 68: 703
- Luetke, W.** See Schaefer, Fritz P., JOSA 68: 1644
- Lugara, M.** See Catalano, I. M., JOSA 68: 681
- Lugt, A. Vander**  
Packing density in holographic systems (TE), AO 14: 1081
- Lukasik, J.** See Green, W. R., JOSA 68: 1422, OL 4: 265; Harris, S. E., JOSA 68: 675
- Lukaszewski, David A.** See Mizusawa, Kiyoe, JOSA 65: 1185
- Luke, Theodore E.** See Robinson, Stanley R., JOSA 69: 1466
- Lukes, G. E.** See Balasubramanian, N., JOSA 68: 1377
- Lukin, V. P.**  
Efficiency of some correction systems (T), OL 4: 15
- Lukosz, W.**  
—; Kunz, R. E.: Changes in fluorescence lifetimes induced by variable optical environments (A), JOSA 69: 1411  
—; Kunz, R. E.: Determining the optical parameters of fluorescent or scattering thin films (A), JOSA 69: 1434
- Light emission by electric and magnetic dipoles close to a dielectric interface (A), JOSA 68: 1406  
—; Kunz, R. E.: Light emission by magnetic and electric dipoles close to a plane interface. I. Total radiated power (T), JOSA 67: 1607  
—; Kunz, R. E.: Light emission by magnetic and electric dipoles close to a plane dielectric interface. II. Radiation patterns of perpendicular oriented dipoles (T), JOSA 67: 1615  
—; Kunz, R. E.: Light emission by magnetic and electric dipoles close to a plane dielectric interface. II. Radiation pattern of perpendicular oriented dipoles (errata), JOSA 68: 1455  
—; Kunz, R. E.: Light emission by magnetic and electric dipoles close to a plane interface. I. Total radiated power (errata), JOSA 68: 1155
- Light emission by magnetic and electric dipoles close to a plane dielectric interface. III. Radiation patterns of dipoles with arbitrary orientation (T), JOSA 69: 1495  
—; Wahlen, H.: Total absorption of  $p$ -polarized light by surface plasma waves (T), OL 3: 88
- Lukowski, Tom I.** See Kapron, Felix P., JOSA 67: 1373, AO 16: 1465  
—; Kapron, Felix P.: Parabolic fiber cutoffs: a comparison of theories (T), JOSA 67: 1185
- Lulu, Bruce**  
—; Gavin, Basil; Conway, John G.; Davis, Sumner P.: Ultraviolet spectroscopy with atomic beams (A), JOSA 68: 1446
- Lundberg, H.** See Gustavsson, M., JOSA 69: 984
- Lunde, B. K.**  
—; Schmidt, F. A.: Light sensor for ultrahigh vacuum systems utilizing a silicon photovoltaic cell (E) (L), AO 15: 2625
- Lundgren, Dale A.**  
Aerosol measurement techniques (A), JOSA 67: 257
- Lunnam, Susan D.** See Caspersen, Lee W., AO 14: 1193
- Luria, S. M.**  
Pupil size and stereoacuity (E) (L), JOSA 66: 157
- Lurie, M.**  
Measuring focused light spots (A), JOSA 67: 1364
- Lurie, Robert J.**  
Anastigmatic catadioptric telescopes (T), JOSA 65: 261
- Lurio, Allen.** See Fan, B., OL 4: 233
- Luther, Gabriel G.** See Reader, Joseph, JOSA 68: 1446, JOSA 69: 144  
Introduction to Quantum Optics. By H. M. Nussenzweig (B), AO 14: 2308
- Luther-Davies, B.**  
—; Boreham, B. W.; Hughes, J. L.; Hollis, M. J.: Measurement of energetic electrons generated in multiphoton ionization of helium by intense picosecond laser pulses (A), JOSA 68: 658
- Luthi, H. R.**  
—; Seelig, W.: Continuous high-power UV ion laser (A), JOSA 66: 1098
- Lutomirski, Richard F.**  
Aerosols and the total atmospheric mutual coherence function (A), JOSA 68: 541  
Atmospheric degradation of electrooptical system performance (T), AO 17: 3915  
—; Warren, Russell E.: Atmospheric distortions in a retroreflected laser signal (T), AO 14: 840  
—; Yura, Harold T.: Imaging of extended objects through a turbulent atmosphere (T), AO 13: 431
- Laser Beam Propagation in the Atmosphere. Edited by J. W. Strohbehn (B), AO 18: 1472  
—; Buser, Rudolf G.: Phase difference and angle-of-arrival fluctuations in tracking a moving point source (T), AO 13: 2869  
—; Woodie, W. L.; Buser, Rudolf G.: Turbulence-degraded beam quality: improvement obtained with a tilt-correcting aperture (T), AO 16: 665
- Lutz, B. L.** See Blatherwick, R. D., AO 18: 3798
- Luu, Thanh K.** See Casasent, David, AO 17: 1701, AO 17: 2973, AO 18: 3307  
—; Casasent, David: Wavefront propagation error in an optical correlator (TE), AO 18: 791
- Lyke, R. L.** See Andre, J. C., AO 18: 1355
- Lyman, John L.**  
—; Anderson, Robert G.; Fisher, Robert A.; Feldman, B. J.: Absorption of pulsed CO<sub>2</sub>-laser radiation by SF<sub>6</sub> at 140 K (E), OL 3: 238  
—; Leary, K. M.: Carbon dioxide laser absorption and reaction probability measurements in S<sub>2</sub>F<sub>10</sub> (A), JOSA 68: 683
- Lynch, David K.** See Livingston, William C., AO 18: 265  
—; Schwartz, P.: Origin of the anhelion (TE), JOSA 69: 383
- Polarization models of halo phenomena. I. The parhelic circle (T), JOSA 69: 1100
- Lynch, R. T., Jr.** See Lotem, Haim, JOSA 65: 1207
- Lynds, C. R.** See Worden, Simon P., JOSA 66: 181, JOSA 66: 1243
- Lynn, D. J.** See Lorre, J. J., JOSA 66: 174
- Lyons, Barry W.**  
—; Robinson, Stanley R.: Speckle noise model for optical heterodyne line-scan imagery (T), AO 18: 781
- ; Robinson, Stanley R.: Speckle noise models for optical heterodyne line-scan imagery (A), JOSA 68: 1386
- Lyons, Peter B.** See Benjamin, Robert F., AO 16: 393
- Lytle, John D.**  
—; Palmer, Alice L.: Aspheric profile gauging using a bootstrap data interpretation technique (E), AO 18: 1064
- Optical test of a 40 cm lightweight uncooled mirror irradiated by a high-energy beam (A), JOSA 66: 1104  
—; Wilkerson, Gary W.; Jaramillo, James G.: Wideband optical transmission properties of seven thermoplastics (A), JOSA 68: 1397  
—; Wilkerson, Gary W.; Jaramillo, James G.: Wideband optical transmission properties of seven thermoplastics (ET), AO 18: 1842
- Lyzenga, David R.**  
Passive remote sensing techniques for mapping water depth and bottom features (TE), AO 17: 379  
Reflectance of a flat ocean in the limit of zero water depth (T) (L), AO 16: 282
- Ma, C. K.** See Bedford, R. E., JOSA 64: 339, JOSA 65: 565, JOSA 66: 724
- Ma, D. S.**  
—; Danielson, P. S.; Moynihan, C. T.; Macedo, Pedro B.: Multiphonon absorption in mixed As<sub>2</sub>S<sub>3</sub>-GeS<sub>4</sub> glasses (A), JOSA 67: 254
- MacAdam, David L.**  
Color essays (A), JOSA 64: 1373  
Color essays (R), JOSA 65: 483  
Colorimetric data for samples of OSA uniform color scales (E), JOSA 68: 121  
Color Perception in Art. By Faber Birren (B), JOSA 67: 130  
Color Vision: An Historical Introduction. By Gerald S. Wasserman (B), JOSA 69: 636  
Compte Rendu (Proceedings), 18th Session of International Commission on Illumination (B), JOSA 67: 413  
Computer Colorant Formulation. By Rolf G. Kuehni (B), AO 16: 1119  
Correlated color temperature? (E) (L), JOSA 67: 839  
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Geometrical Considerations and Nomenclature for Reflectance. By F. E. Nicodemus, J. C. Richmond, J. J. Hsia, I. W. Ginsberg, and T. Limperis (B), JOSA 68: 554  
On Writing, Reading, and Dyslexia. By Arthur Linksz (B), JOSA 64: 420  
Pair comparisons of adjacent colors in OSA uniform color scales (A), JOSA 69: 1406  
Spectrophotometric curves of UCS color cards and their colorimetric data for CIE 1931 observer and illuminant C (L), JOSA 69: 207  
Theories of Vision from Al-Kindi to Kepler. By David C. Lindberg (B), JOSA 66: 1442  
Tristimulus integration with hand-held calculator (L), JOSA 69: 207  
Uniform color scales (A), JOSA 66: 1103  
Uniform color scales (ET), JOSA 64: 1691  
Writing for Results in Business, Government, and the Professions. By David W. Ewing (B), JOSA 66: 294
- MacAdam, David Pearce**  
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Examples of image restoration by constrained deconvolution (A), JOSA 64: 1378  
Introduction to Matrix Methods in Optics. By A. Gerrard and J. M. Burch (B), AO 16: 1457  
Picture Processing and Digital Filtering (Topics in Applied Physics). Edited by T. S. Huang (B), JOSA 66: 393
- MacAdam, Keith B.** See Farley, John W., JOSA 69: 1410  
Angular Momentum Theory for Diatomic Molecules. By Brian R. Judd (B), JOSA 65: 1084
- MacAnally, R. B.**  
Single-emulsion phase and amplitude transparency (A), JOSA 64: 563
- Maccabee, Bruce S.** See Bell, C. E., AO 13: 605  
Photometric properties of an unidentified bright object seen off the coast of New Zealand (E) (L), AO 18: 2527
- MacChesney, J. B.** See Kaminow, Ivan P., JOSA 67: 709
- MacDonald, R. I.** See Hill, Kenneth O., JOSA 64: 263



- Three-dimensional television by texture parallax (T) (L), AO 17: 168
- Mace, P. N.** See Barnes, Norman P., JOSA 66: 390
- Macedo, Pedro B.** See Ma, D. S., JOSA 67: 254; Simmons, Joseph H., AO 18: 2732
- MacGovern, Alan J.** See Horwitz, Bruce A., JOSA 69: 1455; Wyant, James C., AO 13: 1549
- Mach, William H.** See Fraser, Alistair B., JOSA 64: 1391, JOSA 65: 1173
- ; Fraser, Alistair B.: Inversion of optical data to obtain a micrometeorological temperature profile (E), AO 18: 1715
- Machorro, R.** See Roychoudhuri, Chandrasekhar, AO 17: 848
- Mack, A. R.** See Rao, V. R., AO 17: 493
- Mack, E. J.**
- ; Katz, U.; Pilie, R. J.; Anderson, R. J.: Relations between aerosol characteristics at sea and meteorological phenomena (A), JOSA 67: 257
- Mack, John E.**
- ; Paresce, Francesco; Bowyer, Stuart: Channel electron multiplier: its quantum efficiency at soft x-ray and vacuum ultraviolet wavelengths (E) (L), AO 15: 861
- Mack, M. E.** See Morton, Richard G., AO 17: 3268; Northam, D. B., AO 17: 931
- ; Northam, O. B.; Crawford, L. G.: Reliable 90-W dye laser (A), JOSA 66: 1108
- Vortex stabilized flashlamps for dye laser pumping (ET), AO 13: 46
- Mackenzie, D. R.** See Benson, W. W., AO 14: 816, AO 17: 2271
- Mackey, H. J.** See Clark, James B., JOSA 69: 1480
- MacKnight, A. K.** See Kerber, R. L., AO 17: 3276
- MacLean, S. G.**
- ; Duley, W. W.: Laser photoexcitation spectra of  $C^{3+}$ :MgO at 77 K (A), JOSA 69: 1410
- MacLeod, Donald I. A.** See Eisner, Alvin, JOSA 68: 1392; Hayhoe, Mary M., JOSA 66: 276; Nagy, Allen L., JOSA 69: 1420
- Brightness ceiling in scotopic vision (A), JOSA 68: 1450
- ; Boynton, Robert M.: Chromaticity diagram showing cone excitation by stimuli of equal luminance (T) (L), JOSA 69: 1183
- Frontiers in Visual Science. Edited by S. J. Cool and E. L. Smith, III (B), JOSA 69: 921
- ; Hayhoe, Mary M.: Three pigments in normal and anomalous color vision (TE), JOSA 64: 92
- MacLeod, H. A.**
- Vacuum and thin film technology (M), AO 15: 2939
- MacNichol, Edward F., Jr.** See Harosi, Ferenc I., JOSA 64: 903
- Macomber, James D.** See Elbers, Don C., AO 17: 308; Rice, Rory O., AO 14: 2203, JOSA 65: 1489; Thomason, William H., JOSA 67: 734
- ; Thomason, William H.: Laws of optics at high irradiance. I. Steady-state theory of a saturable slab (T), JOSA 67: 453
- ; Thomason, William H.: Spectroscopy by saturable reflection (A), JOSA 66: 1072
- Macovski, Albert.** See Alvarez, Robert E., JOSA 66: 1130
- Advances in radiography, SPSE annual Fall symposium, Washington, D.C., 24 Oct 1974 (M), AO 14: 10
- Envelope interferometry for large-scale processing (T), AO 13: 2689
- Holographic Nondestructive Testing. Edited by Robert K. Erf (B), AO 14: 2797
- Holography. By M. Francon (B), AO 14: 2797
- ; Alvarez, Robert E.; Chan, Joseph L.-H.: Selective material x-ray imaging using spatial frequency multiplexing (TE), AO 13: 2202
- Spectral discrimination for image encoding (A), JOSA 65: 1183
- Three-dimensional image reconstruction techniques international workshop, Brookhaven National Laboratory, 16-19 Jul 1974 (M), AO 14: 262
- MacQueen, R. M.** See Csoeke-Poecckh, A., AO 16: 931; Poland, A. I., AO 16: 926
- High altitude observatory white-light coronagraph experiment of Skylab (A), JOSA 64: 523
- MacQuigg, David R.**
- ; Speck, D. R.: Characteristics of the Argus laser beam (A), JOSA 67: 250
- Film calibration method for analysis of laser light energy distributions (E) (L), AO 16: 2028
- Hologram fringe stabilization method (E) (L), AO 16: 291
- Modulated-grating hologram (E), AO 16: 1380
- Macrae, Stuart.** See Browder, James Steve, JOSA 67: 1443
- Mada, Hitoshi.** See Shimomura, Teruo, AO 18: 3139
- Madden, R. P.** See Ederer, D. L., JOSA 64: 545; Saloman, E. B., JOSA 64: 547
- Spectrometer calibration facility at NBS-SURF (A), JOSA 67: 1412
- Vacuum ultraviolet radiation physics, fifth international conference, Montpellier, 5-9 Sep 1977 (M), AO 17: 1660
- Maddox, R. L.** See Sclar, N., AO 16: 1525
- Maddux, Gene E.** See Adams, Frank D., AO 13: 219
- Madey, J. M. J.** See Deacon, D. A. G., JOSA 67: 1369
- Review of experimental data from the Stanford free-electron laser experiment (A), JOSA 68: 628
- Madjid, A. H.** See Abuel-Hajja, A. J., AO 18: 3123
- Madjidi-Zolbanine, H.**
- ; Froehly, C.: Holographic correction of both chromatic and spherical aberrations of single glass lenses (ET), AO 18: 2385
- Spatial coherence of a ruby laser beam by interferometry (ET), AO 17: 3500
- Madsen, J. C.** See Stromeyer, Charles F., III, JOSA 68: 1002, JOSA 69: 1039
- Madsen, Joren.** See Klein, Stanley, JOSA 68: 1379
- Maeda, Korechiro**
- ; Hamasaki, Joji: Determining the refractive index profile of a lenslike medium (TE), JOSA 67: 1672
- Maeda, Minoru.** See Satoshi, Aoki, OL 4: 346
- ; Nagano, K.; Minai, Y.; Tanaka, M.: Baseband frequency response measurement system for optical components (E), AO 17: 651
- ; Ikushima, I.; Nagano, K.; Tanaka, M.; Nakashima, H.; Itoh, R.: Hybrid laser-to-fiber coupler with a cylindrical lens (E), AO 16: 1966
- ; Yamada, S.: Leaky modes on W-fibers: mode structure and attenuation (TE), AO 16: 2198
- ; Ishitsuka, F.; Matsumoto, M.; Miyazoe, Yasushi: Quantitative detection of atomic absorption by intracavity dye-laser quenching (E), AO 16: 403
- Maeda, Mitsuo**
- ; Okada, Tatsuo; Miyazoe, Yasushi: Spectral narrowing of a flash-lamp-pumped high-energy dye laser by two-stage injection locking (A), JOSA 68: 667
- Maekawa, Sigeru.** See Kuroda, Hiroto, JOSA 68: 660
- Maenchen, J.** See Greenspan, M., JOSA 68: 545
- Magarinos, Jose R.** See La Russa, Joseph A., JOSA 67: 1374
- ; Coleman, Daniel: Holographic, color, wide angle, infinity optics display (A), JOSA 69: 1415
- Large-aperture holographic spherical beam-splitter mirrors (A), JOSA 67: 1374
- ; Coleman, Daniel: Large aperture, wide spectral response, spherical beam-splitter mirrors (A), JOSA 68: 1442
- Maggi, L.** See Albanese, A., AO 16: 2604
- Maggo, J. N.** See Singh, K., AO 14: 500
- Magnusson, D. W.** See Wampler, F. B., OL 4: 143
- Magnusson, R.** See Moharam, M. G., JOSA 69: 1483
- ; Gaylord, T. K.: Analysis of multiwave diffraction of thick gratings, JOSA 67: 1165
- ; Gaylord, T. K.: Application of dynamic theory to the description of experimental volume holography results (A), JOSA 65: 1219
- ; Gaylord, T. K.: Diffraction efficiencies of thin phase, amplitude, and mixed transmission gratings (A), JOSA 68: 1371
- ; Gaylord, T. K.: Diffraction regimes of transmission gratings (T), JOSA 68: 809
- ; Gaylord, T. K.: Dynamically induced refractive-index nonuniformities in electro-optical holographic gratings (A), JOSA 66: 1084
- ; Gaylord, T. K.: Dynamically produced refractive-index variations with thickness of volume holograms in electrooptic crystals (T), AO 15: 3021
- ; Gaylord, T. K.: Equivalence of multiwave coupled-wave theory and modal theory for periodic-media diffraction (T), JOSA 68: 1777
- ; Gaylord, T. K.; Moharam, M. G.: Evaluation of coupled-wave diffraction theory via exact modal theory (A), JOSA 69: 1416
- ; Gaylord, T. K.: Laser scattering induced holograms in lithium niobate (ET) (L), AO 13: 1545
- ; Gaylord, T. K.: Multiwave coupled-wave theory: modal theory equivalence and analysis of general gratings (A), JOSA 68: 1371
- ; Gaylord, T. K.: Unified description of holographic grating diffraction (A), JOSA 67: 1438
- Magro, C. S.** See Galan, M. J., AO 16: 2040
- Magyar, G.** See Febbo, A., AO 15: 1380
- Dye lasers—a classified bibliography 1966-1972 (TE), AO 13: 25
- Mah, S. Q.** See Gagne, Jean-Marie, AO 13: 2835, JOSA 65: 876
- Mahaffey, R. A.** See Eden, J. Gary, JOSA 68: 1646
- Mahajan, C. G.**
- ; Baker, E. A. M.; Burgess, D. D.: Laser-produced plasma as a source of focused vacuum-ultraviolet continuum radiation (E), OL 4: 283
- Mahajan, Virendra N.**
- Degradation of an image due to Gaussian motion (T), AO 17: 3329
- ; Gaskill, Jack D.: Diffraction of light by sound waves according to the vector wave equation (T) (L), JOSA 64: 400
- Imaging with noncentrally obscured circular pupils (T), JOSA 68: 742
- Imaging with obscured pupils (T), OL 1: 128
- Included power for obscured circular pupils (T), AO 17: 964
- ; Gaskill, Jack D.: Real-time wavefront correction by Bragg diffraction of light by sound waves (A), JOSA 64: 561
- Real-time wavefront correction through Bragg diffraction of light by sound waves (TE), JOSA 65: 271
- Mahan, A. I.**
- ; Bitterli, C. V.: Absorbing and radiating cylinders as boundary-value problems (T), JOSA 64: 619
- ; Bitterli, C. V.: Deeper look at total internal reflection (A), JOSA 67: 1439
- ; Osterberg, Harold: Diffraction properties of absorbing cylinders suspended in outside absorbing media (A), JOSA 65: 1168
- ; Bitterli, C. V.: Goos-Haenchen shift (A), JOSA 66: 1135
- ; Bitterli, C. V.: Inhomogeneous electromagnetic waves appearing at an ocean-air interface (A), JOSA 68: 1406
- ; Bitterli, C. V.: Total internal reflection: a deeper look (T), AO 17: 509
- Mahdavi, M. A.**
- Compact interference-filter polychromator and narrow band rejection filter (E) (L), AO 16: 1765
- Maher, W. E.**
- ; Roome, G.: Large time-bandwidth product acoustooptic correlator and its use in a cascade design matched filter (E), AO 13: 1342
- Mahlein, H. F.**
- Generalized Brewster-angle conditions for quarter-wave multilayers at non-normal incidence (T), JOSA 64: 647
- Integrated optical polarizer (A), JOSA 66: 289
- Mahon, Rita**
- ; McIlrath, Thomas J.; Tomkins, Frank S.; Kelleher, Daniel E.: Four-wave sum mixing in beryllium around hydrogen Lyman- $\alpha$  (E), OL 4: 360
- ; Koopman, David W.; McIlrath, Thomas J.: High-power TEM<sub>00</sub> tunable laser system (E), AO 18: 891
- Mahr, H.** See Hauelsen, Donald C., JOSA 68: 703
- Maier, H.** See Preier, H., JOSA 66: 384
- Maier, William B., II**
- ; Freund, Samuel M.; Holland, Redus F.; Beattie, Willard H.: Photolytic separation of D from H in cryogenic solutions of formaldehyde (A), JOSA 68: 1643
- Mailander, M.**
- Saturated fluorescence spectroscopy in flames (A), JOSA 68: 650
- Mailard, J.-P.** See Mantz, Arlan W., JOSA 66: 1094
- Majkowski, Richard F.** See Montgomery, G. Paul, Jr., JOSA 67: 1440, AO 17: 173
- Infrared absorption coefficient of  $H_2SO_4$  vapor from 1190 to 1260  $cm^{-1}$  (A), JOSA 67: 250



- ; Blint, Richard J.; Hill, John C.: Infrared absorption coefficients of gaseous  $\text{H}_2\text{SO}_4$  and  $\text{SO}_3$  (E) (L), AO 17: 975  
Infrared absorption coefficient of  $\text{H}_2\text{SO}_4$  vapor from 1190 to  $1260\text{ cm}^{-1}$  (E), JOSA 67: 624
- Major, R. W.** See Modine, F. A., AO 14: 757, AO 14: 761
- Majumdar, Arun K.** See Gamo, Hideya, JOSA 64: 1390, AO 17: 3755
- ; Gamo, Hideya:  $C_2^*$  measurements in a laboratory-generated turbulence by thermal and optical methods (A), JOSA 68: 539
- ; Gamo, Hideya: Comparison of a corner-cube retroreflector and a plane mirror in folded path transmission through turbulence (A), JOSA 66: 1067
- Higher-order skewness and excess coefficients of some probability distributions applicable to optical propagation phenomena (T) (L), JOSA 69: 199
- Makarov, G. N.** See Ambartzumian, R. V., JOSA 68: 686, OL 1: 22
- Maker, P. D.** See Weber, W. H., AO 13: 1431
- Maki, Arthur G.** See Wells, J. S., AO 18: 3567
- Spectroscopic Data, Parts A & B:  
Heteronuclear Diatomic Molecules. Edited by S. N. Suchard (B), AO 14: 2569
- Makimoto, T.** See Nemoto, S., JOSA 66: 500, JOSA 67: 124, JOSA 67: 1281, JOSA 69: 450, JOSA 69: 578, JOSA 69: 1049; Okamura, Y., JOSA 67: 539
- Maklad, Mokhtar S.** See Kao, C. K., JOSA 67: 706
- ; Bickel, Gary W.; Sigel, George H., Jr.: Radiation response of low-loss silicone clad silica fiber (A), JOSA 67: 707
- Makosch, G.** See Jaerisch, W., AO 17: 740
- ; Jaerisch, W.: Mapping of optical surfaces with quarter wavelength fringes (E), AO 17: 744
- ; Jaerisch, W.: Mapping of optical surfaces with quarter wavelength fringes (errata), AO 17: 1990
- Makous, Walter.** See Buck, Steven L., JOSA 68: 1392; Pulos, Elizabeth, JOSA 69: 1452
- ; Sanders, R. K.: Fluctuations of relative sensitivity of opposite eyes during fusion (A), JOSA 68: 1365
- Functional properties of visual receptors and their optical implications (A), JOSA 67: 1362
- Optimal patterns for alignment (T), AO 13: 659
- Malacara, Daniel.** See Malacara-Hernandez, Daniel
- Malacara-Hernandez, Daniel.** See Broder-Bursztyn, Fernando, AO 14: 2280; Cornejo-Rodriguez, Alejandro, AO 17: 18; Fouere, Jean Claude, AO 13: 1322, AO 13: 2035; Mallick, S., AO 15: 1128; Noble, Robert H., JOSA 64: 1377, AO 13: 2476; Roychoudhuri, Chandrasekhar, AO 14: 1683
- ; Murty, M. V. R. K.; Cornejo-Rodriguez, Alejandro: Bibliography of various optical testing methods, AO 14: 1065
- ; Morales, A.; Cornejo-Rodriguez, Alejandro: Computation of Zernike polynomials in optical testing (A), JOSA 66: 1104
- ; Mallick, S.: Holographic lateral shear interferometer (ET), AO 15: 2695
- Mathematical interpretation of radial shearing interferometers (T), AO 13: 1781
- ; Cornejo-Rodriguez, Alejandro: Null Ronchi test for aspherical surfaces (TE), AO 13: 1778
- ; Cornejo-Rodriguez, Alejandro: Null Ronchi test for aspherical surfaces: reply to comment (E) (L), AO 14: 279
- Progress in Optics, Vol. 13. Edited by Emil Wolf (B), JOSA 67: 852
- ; Cornejo-Rodriguez, Alejandro: Side band Ronchi test (ET), AO 15: 2220
- ; Josse, Michel: Testing of aspherical lenses using side band Ronchi test (E) (L), AO 17: 17
- Malchow, Harvey.** See Whitney, Cynthia K., JOSA 64: 1391
- Malerba, Franco E.** See Resnik, Judith A., JOSA 68: 937
- Malherbe, Andre**  
Interference filters for the far ultraviolet (E) (L), AO 13: 1275
- Multidielectric components for the far ultraviolet (E) (L), AO 13: 1276
- Malina, Roger F.** See Finley, David S., AO 18: 649
- ; Cash, Webster: Extreme ultraviolet reflection efficiencies of diamond-turned aluminum, polished nickel, and evaporated gold surfaces, AO 17: 3309
- ; Bowyer, Stuart: Fabrication and performance of the Berkeley extreme-ultraviolet stellar spectrometer (A), JOSA 68: 1430
- Malitson, Irving H.** See Dodge, Marilyn J., JOSA 64: 1383, JOSA 65: 1169
- Malkmus, W.** See Ludwig, C. B., AO 13: 1494
- Mallette, Leo A.**  
—; Phillips, Ronald L.: Modeling solar cells for use as optical detectors: background illumination effects (T), AO 17: 1786
- Mallick, S.** See Celaya, L., AO 17: 2191, JOSA 69: 278; Grousson, R., AO 16: 2334; Kinsinger, J. B., JOSA 64: 1276; Malacara-Hernandez, Daniel, AO 15: 2695
- ; Roblin, M. L.: Coherent imaging in presence of defect of focus (T) (L), JOSA 64: 1344
- Pulse holography of uniformly moving objects (T), AO 14: 602
- ; Malacara-Hernandez, Daniel: Velocity and depth contours with a mode-locked pulse (T) (L), AO 15: 1128
- Mallmann, A. James.** See Greenler, Robert G., JOSA 69: 1411; Mueller, James R., JOSA 69: 1103
- ; Greenler, Robert G.: Origins of anthetic arcs, the anthetic pillar, and the anhelion (TE), JOSA 69: 1107
- ; Greenler, Robert G.: Origins of anthetic arcs, the anthetic pillar, and the anhelion (TE), JOSA 69: 1195
- Malone, T. G.** See Lin, Chinlon, OL 1: 96
- Maloney, P. J.** See Smith, P. W., JOSA 69: 1421
- Maloney, W. T.**  
Optical information channels: page-accessed and bit-accessed (T) (L), AO 14: 821
- ; Gravel, Robert L.: Submillisecond development of thermoplastic recordings (E) (L), AO 13: 2471
- Maltese, Paolo.** See Giannini, Franco, AO 18: 3048
- Maltrud, H. R.** See Farnum, E. H., JOSA 68: 544
- Malvezzi, A. M.** See Garifo, L., AO 18: 1900
- Malyshev, I. S.** See Arnavut, G. P., AO 13: 310
- Mammel, Wanda L.** See Cohen, Leonard G., JOSA 69: 1448; Kaminow, Ivan P., AO 13: 396
- ; Cohen, Leonard G.: Prediction of fiber transmission characteristics from arbitrary refractive-index profiles (A), JOSA 69: 1462
- Mammone, R.** See Eichmann, G., JOSA 69: 1442
- Mamon, Glenn**  
—; Youmans, Douglas G.: Optical pulsed ranging: method for improving measurement accuracy: comment (T) (L), AO 16: 16
- ; Youmans, Douglas G.; Sztankay, Z. G.; Mongan, C. E.: Pulsed GaAs laser terrain profiler, AO 17: 868
- Manalis, M.** See Ederer, D. L., JOSA 65: 634
- Mancill, Clanton E.** See Pratt, William K., AO 15: 73
- Mandel, Leonard.** See Allen, L., JOSA 67: 1391; Huang, C.-Y., JOSA 69: 1430; Jodoin, R., JOSA 65: 1181; Martin, E. A., Jr., AO 15: 2378; M-Tehrani, M., JOSA 64: 527, JOSA 66: 1133, JOSA 67: 1366, OL 1: 196, JOSA 64: 934; Singh, Surendra, JOSA 69: 1474
- Ideal light source for an optical communications channel (A), JOSA 66: 1075
- Ideal light source for an optical communication channel (T) (L), JOSA 66: 968
- Laser Light Scattering. By Benjamin Chu (B), JOSA 65: 859
- ; Wolf, Emil: Optimum conditions for heterodyne detection of light (T), JOSA 65: 413
- Photoelectric counting measurements as a test for the existence of photons (T), JOSA 67: 1101
- Photoelectron Statistics, with Applications to Spectroscopy and Optical Communication. By B. Saleh (B), JOSA 68: 1291
- Photon antibunching: the anti-Hanbury Brown-Twiss effect (A), JOSA 68: 1419
- Photon emission in resonance fluorescence: an example of sub-Poissonian statistics (A), JOSA 69: 1467
- Photon occupation numbers in black body radiation (T) (L), JOSA 69: 1038
- ; Wolf, Emil: Spectral coherence and the concept of crossed-spectral purity (A), JOSA 65: 1198
- ; Wolf, Emil: Spectral coherence and the concept of cross-spectral purity (T), JOSA 66: 529
- Sub-Poissonian photon statistics in resonance fluorescence (T), OL 4: 205
- Wave Mechanics—the First Fifty Years. Edited by William C. Price, Seymour S. Chissick, Tom Ravensdale (B), JOSA 66: 295
- Mandelkorn, Fred.** See Stark, Henry, JOSA 66: 1110, JOSA 67: 1406
- ; Stark, Henry: Computerized tomosynthesis, serioscopy, and coded-scan tomography (ET), AO 17: 175
- Extension of lens-system model of holography (T), JOSA 64: 310
- Longitudinal tomography and imaging with a masked mirror (T) (L), JOSA 68: 1005
- ; Farhat, Nabil H.: Multiplex methods for mapping amplitude and phase of microwave wavefronts (A), JOSA 64: 559
- ; Farhat, Nabil H.: Synthetic-aperture radar and multiplex spectroscopy (T) (L), JOSA 64: 402
- ; Stark, Henry: Three-dimensional information extraction from a coded-scan tomogram (ET) (L), AO 15: 1881
- Mandelman, Michael**  
—; Nicholls, Ralph W.: Absorption coefficients for the CIO (A-X) band system and dissociation continuum (A), JOSA 66: 1064
- Mandics, P. A.** See Huffaker, R. M., JOSA 68: 541; Lawrence, T. R., JOSA 68: 1430
- Mandler, W.** See Dobrowolski, J. A., AO 18: 1879
- Manes, Kenneth R.** See Phillion, D. W., JOSA 68: 544
- ; Ahlstrom, Harlow G.; Haas, Roger A.; Holzrichter, J. F.: Light-plasma interaction studies with high-power glass laser (E), JOSA 67: 717
- Preliminary laser-driven implosion experiments using the Shiva target irradiation facility (A), JOSA 68: 549
- ; Ahlstrom, Harlow G.; Glaze, James A.; Campbell, D. E.; Rienecker, F. Jr.; Storm, Erik K.: Preliminary SHIVA laser-target experiments (A), JOSA 68: 1646
- Principles of Laser Plasmas. Edited by George Bekefi (B), JOSA 68: 1014
- Manfredi, M.** See Benci, S., AO 13: 1554
- Mangano, J. A.**  
—; Jacob, J. H.; Rokni, N.; Hsia, J.: Overview of rare-gas halide lasers (A), JOSA 68: 548
- Mangano, J. J.** See Reiss, N. M., JOSA 67: 257
- Mangoubi, Sami S.** See Zeevi, Yehoshua Y., JOSA 69: 1433, JOSA 68: 1772
- Mangus, J. D.** See Hunter, W. R., JOSA 67: 1378
- Manheimer, W. M.** See Colombant, D. G., JOSA 68: 543
- Mani, Siva A.** See Sutton, George W., AO 15: 2228; Trainor, Daniel W., JOSA 68: 1645
- Maniscalco, James A.** See Monsler, Michael J., JOSA 68: 546
- ; Blink, J. A.; Hovingh, J.; Meier, W. R.; Monsler, Michael J.; Walker, P. E.: Laser fusion reactor design study (A), JOSA 68: 546
- Manjunath, H. R.**  
—; Pappu, S. V.: Fourier spectrum of an object using holographic lenses (E) (L), AO 14: 2562
- ; Pappu, S. V.: Holo-lens optical spatial frequency processor (E) (L), AO 15: 849
- Mankin, R. W.** See Callahan, Philip S., AO 17: 3355
- Insects as unidentified flying objects: author's reply to comments; 2 (T) (L), AO 18: 2725
- Mankin, William G.**  
Atmospheric spectroscopy: an introduction (M), AO 18: 3375
- Fourier transform method for calculating the transmittance of inhomogeneous atmospheres (T), AO 18: 3426
- ; Coffey, M. T.: White cell for airborne use (A), JOSA 69: 1427
- Mann, David M.** See Ebersole, John F., JOSA 67: 258
- Mann, J. Adin, Jr.** See Angus, John C., AO 16: 2798; Gallagher, Neal C., Jr., AO 16: 413
- Manor, Robert E.**  
Deuterium-tritium pellet shapes and constructions (A), JOSA 69: 1446
- Laser-thermonuclear fusion of deuterium and tritium nuclei (A), JOSA 69: 1446
- Photon's Hamiltonian in various media (A), JOSA 64: 1405
- Photon's spatial derivatives (A), JOSA 64: 1405
- ; Young's double-slit interference experiment (A), JOSA 64: 527
- Mansfield, D. K.**  
—; Johnson, L. C.; Mendelsohn, A.: Observation of intracavity polarization modulation in an optically pumped far-IR laser (E) (L), AO 18: 3717



- Mansfield, R. J. W.**  
 —; Daugman, John G.; Ronner, Steven F.: Cortical mechanism in primate vision for detecting oriented targets (A), JOSA 68: 1419  
 Primate visual system: *in vitro* analysis (A), JOSA 69: 1479  
 Retinal mechanisms for light adaptation brightness encoding, and sensitivity (A), JOSA 65: 1185
- Manshadi, F.** See Yeh, Cavour, JOSA 68: 1079
- Mantsch, Henry H.**  
 Infrared and Raman Spectroscopy, Volume 1, Part C. Edited by Edward G. Brame, Jr., and Jeanette G. Grasselli (B), AO 17: 1848
- Mantz, Arlan W.** See Eng, R. S., AO 18: 1088, AO 18: 3438; Reddy, S. Paddi, AO 18: 1350  
 —; Shafer, Sally A.; Rao, K. Narahari: Emission spectrum of nitric oxide between 5  $\mu$ m and 7  $\mu$ m (E) (L), AO 15: 599  
 —; Shafer, Sally A.; Rao, K. Narahari: High-resolution emission spectra of excited NO (A), JOSA 65: 1164  
 —; Rao, K. Narahari; Chen, Da-Wun: High-resolution Fourier transform infrared measurements of nitric oxide emission (A), JOSA 66: 1093  
 —; Maillard, J.-P.; Chauville, J.: High-resolution near-infrared emission measurements of molecules of astrophysical interest (A), JOSA 66: 1094  
 Industrial Applications of Lasers. By John F. Ready (B), AO 18: 416  
 Infrared spectroscopic studies of transients (E), AO 17: 1347  
 —; Sowers, B. L.; Lange, J. J.: Moderate resolution VUV rocket spectrograph (E), AO 13: 193
- Manuccia, T. J.** See Hsu, D. S. Y., JOSA 68: 1641
- Manyuk, N.** See Kildal, Helge, JOSA 67: 255
- Mapunda, O. P.** See Farrar, J. F., AO 16: 248
- Mar, H. Y. B.** See Boord, W. T., JOSA 68: 1418  
 —; Peterson, R. E.; Lin, J. H.: Optical coatings for solar heating and cooling (A), JOSA 67: 252
- Mar, S.**  
 —; Gigos, M. A.; Moreno, J. M.: Deconvolution of spectral lines: an improved method (T) (L), AO 18: 2914
- Maradudin, Alexei**  
 Phonons and Resonance in Solids. By B. Di Bartolo and R. C. Powell (B), AO 15: 2941  
 Symmetry and Strain-Induced Effects in Semiconductors. By G. L. Bir and G. E. Pikus (B), AO 16: 790
- Maran, Stephen P.** See Gurski, Thomas R., AO 17: 1238
- Marathay, Arwind S.** See Lahart, Martin J., JOSA 66: 182, JOSA 65: 769  
 Diffraction of light from an aperture on a spherical surface (T), JOSA 65: 909  
 —; Goring, W. P.; Shu, Ker-Li: Directionality of light from coherent, partially coherent, and incoherent sources (A), JOSA 68: 1410  
 Fourier transform of the Green's function for the Helmholtz equation (T) (L), JOSA 65: 1044  
 Radiometry of partially coherent fields (A), JOSA 66: 1075  
 —; Prasad, Sheila; Shack, Roland V.: Rayleigh-Sommerfeld diffraction theory, partial coherence and Lambert's Law (A), JOSA 67: 1366
- Marburger, J. H.** See Allen, Susan D., JOSA 68: 1360; Garmire, E., OL 3: 69  
 —; Allen, Susan D.; Garmire, E.; Levenson, Marc D.; Winful, H. G.: Optical bistability without mirrors (A), JOSA 68: 642
- Marburger, J. M.** See Winful, H. G., JOSA 69: 1421
- Marcattili, E. A. J.**  
 Factors affecting practical attenuation and dispersion measurements (A), JOSA 67: 707  
 Modal dispersion in fibers with any N.A. and any profile dispersion (A), JOSA 67: 707
- Marchand, E. W.**  
 —; Janeczko, D. J.: Design of gradient-index singlets (T), JOSA 64: 846  
 Diffraction effects with lenticular projection screens (T), JOSA 65: 139  
 —; Wolf, Emil: Radiometry with sources of any state of coherence (T), JOSA 64: 1219  
 Third-order aberrations of the photographic Wood lens (T), JOSA 66: 1326  
 —; Wolf, Emil: Walther's definitions of generalized radiance (T) (L), JOSA 64: 1273
- Marcheski, J. S.** See Harris, J. S., AO 18: 1308
- Marchi, F. T.** See Wallerstein, Edward Perry, JOSA 68: 548
- Marcus, Robert T.** See Billmeyer, Fred W., Jr., AO 13: 1510, AO 14: 265  
 —; Billmeyer, Fred W., Jr.: Color-measurement instrumentation (E), AO 13: 1519  
 Measurement of Appearance. By Richard S. Hunter (B), JOSA 66: 1441  
 —; Billmeyer, Fred W., Jr.: Step size in the Munsell color-order system by pair comparisons near 5Y 7.5/1 and bisections near 10R 7/8 (E), JOSA 65: 208
- Marcus, S.**  
 —; Carter, Gary M.: Electrooptically Q-switched CO<sub>2</sub> waveguide laser (E), AO 18: 2824
- Marcuse, Dietrich.** See Presby, Herman M., AO 13: 2882, AO 17: 2209, AO 18: 23, AO 18: 671, AO 18: 3249, AO 18: 4006  
 —; Presby, Herman M.: Automatic geometric measurements of single-mode and multimode optical fibers (E), AO 18: 402  
 Calculation of bandwidth from index profiles of optical fibers. 1: Theory (T), AO 18: 2073  
 —; Presby, Herman M.: Calculation of fiber bandwidth from index-profile measurements (A), JOSA 69: 1457  
 Coupled power equations for lossy fibers (T), AO 17: 3232  
 Curvature loss formula for optical fibers (T), JOSA 66: 216  
 Determination of coupling coefficients by means of a fiber resonator (T), JOSA 67: 997  
 —; Presby, Herman M.: Effects of profile deformations of fiber bandwidth (T), AO 18: 3758  
 Elementary derivation of the phase shift at a caustic (T) (L), AO 15: 2949  
 —; Presby, Herman M.: Fiber bandwidth-spectrum studies (T), AO 18: 3242  
 Field deformation and loss caused by curvature of optical fibers (T), JOSA 66: 311  
 —; Presby, Herman M.: Focusing method for nondestructive measurement of optical fiber index profiles (E), AO 18: 14  
 Gaussian approximation of the fundamental modes of graded-index fibers (T), JOSA 68: 103  
 Gradient Index Optics. By Erich W. Marchand (B), JOSA 69: 1624  
 Interdependence of waveguide and material dispersion (T), AO 18: 2930  
 Length optimization of an S-shaped transition between offset optical waveguides (T), AO 17: 763  
 Light scattering from elliptical fibers (T), AO 13: 1903  
 —; Presby, Herman M.: Light scattering from optical fibers with arbitrary refractive-index distributions (T), JOSA 65: 367  
 Light scattering from unclad fibers: ray theory (T), AO 14: 1528  
 —; Presby, Herman M.: Measurement of optical fiber coating concentricity (A), JOSA 67: 709  
 Multimode delay compensation in fibers with profile distortions (T), AO 18: 4003  
 Multimode fiber with z-dependent  $\alpha$ -value (T), AO 18: 2229  
 —; Presby, Herman M.: Optical fiber coating concentricity: measurement and analysis (ET), AO 16: 2383  
 Planar Optical Waveguides and Fibers. By H.-G. Unger (B), JOSA 68: 1648  
 Radiation losses of parabolic-index slabs and fibers with bent axes (T), AO 17: 755  
 Radiation losses of the HE<sub>11</sub> mode of a fiber with sinusoidally perturbed core boundary (T), AO 14: 3021  
 Radiation loss of a helically deformed optical fiber (T), JOSA 66: 1025  
 Reflection losses from imperfectly broken fiber ends (T), AO 14: 3016  
 Refractive index determination by the focusing method (T), AO 18: 9  
 Wave propagation along a dielectric interface (T), JOSA 64: 794
- Marchal, Andre**  
 Perspectives in interferometric spectrometry (A), JOSA 65: 1183
- Marette, G.**  
 Angular properties of blackbody simulators (T), AO 14: 2665  
 —; Gerard, J.-C.: Rocket-borne baffled photometer: design and calibration (E), AO 15: 439  
 Vacuum ultraviolet absolute radiometry utilizing total blackbody radiation (E), AO 15: 440
- Margaritondo, Giorgio**  
 Photoemission in Solids. 1: General Principles. Edited by M. Cardona and L. Ley (B), AO 17: 3855
- Margevicius, J. A.**  
 —; McCusker, M. V.; Abouaf, L.; Huestis, D. L.; Lorents, Donald C.: Ar<sub>s</sub>, XeO, and ArO emissions from liquid argon hosts: spectra and kinetics (A), JOSA 68: 705
- Margolis, D. P.** See Andrews, C. L., JOSA 64: 528, JOSA 65: 1167
- Margolis, Jack S.** See Kavaya, Michael J., AO 18: 2602; Menzies, Robert T., AO 16: 523; Shumate, Michael S., AO 15: 2480  
 —; Menzies, Robert T.; Hinkley, E. David: Bandstrength determination of the fundamental vibration-rotation spectrum of ClO (E) (L), AO 17: 1680
- Marhic, M. E.** See Ho, P. S., AO 14: 2598; Schacham, S. E., AO 16: 1041, AO 17: 459, AO 17: 3818  
 —; Kwan, L. I.: Laser-induced electrostriction in neutral gases monitored by nonlinear Rayleigh scattering (A), JOSA 68: 644  
 —; Schacham, S. E.; Epstein, M.: Misalignment in imaging multifibers (E), AO 17: 3503  
 Polarization and losses of whispering-gallery waves along twisted trajectories (TE), JOSA 69: 1218
- Marino, Joseph T., Jr.** See Webb, William E., AO 14: 1413
- Marjono, J. P.**  
 —; Bonino, B.; Mullot, M.: Standard of flatness: its application to Fabry-Perot interferometers (E), AO 14: 2283
- Markarov, G. N.** See Ambartsumian, R. V., OL 3: 103
- Markey, J. F.**  
 —; Austin, R. Russel: High resolution solar observations: the hydrogen-alpha telescopes on Skylab (E), AO 16: 917
- Markey, J. K.** See Wang, J. Y., JOSA 68: 78
- Marko, K. A.**  
 —; Rimai, Lajos: Space- and time-resolved coherent anti-Stokes Raman spectroscopy for combustion diagnostics (E), OL 4: 211
- Marks, James M.** See Porcello, Leonard J., JOSA 66: 1305
- Marks, L. M.** See Pundsack, A. L., AO 17: 2650; Streifer, William, AO 13: 1299, AO 13: 2189
- Marks, Lawrence E.**  
 Psychophysics: Introduction to its Perceptual, Neural, and Social Prospects. By S. S. Stevens (B), JOSA 65: 970
- Marks, Robert J., II.** See Hall, Michael W., JOSA 68: 1362; Kral, E. Lee, JOSA 68: 1414; Krile, Thomas F., AO 16: 3131  
 —; Walkup, John F.; Krile, Thomas F.: Ambiguity function display: an improved coherent processor (TE), AO 16: 746  
 —; Walkup, John F.; Krile, Thomas F.: Ambiguity function display: an improved coherent processor; addendum (TE) (L), AO 16: 1777  
 —; Hall, Michael W.: Ambiguity function display using a single 1-D input (TE) (L), AO 18: 2539  
 —; Smith, David K.: Coherent optical extrapolation of two-dimensional bandlimited signals (A), JOSA 69: 1467  
 —; Walkup, John F.; Hagler, Marion O.; Krile, Thomas F.: General one-dimensional space-variant coherent optical processors (A), JOSA 66: 1130  
 —; Krile, Thomas F.: Holographic representation of space-variant systems: system theory (T), AO 15: 2241  
 —; Walkup, John F.; Hagler, Marion O.: Linear system characterization through response cataloging (T), AO 18: 655  
 —; Walkup, John F.; Hagler, Marion O.: Line spread function notation (L), AO 15: 2289  
 —; Jones, Mike I.; Kral, E. Lee; Walkup, John F.: One-dimensional linear coherent processing using a single optical element (TE), AO 18: 2783  
 —; Larson, John N.: One-dimensional Mellin transformation using a single optical element (TE) (L), AO 18: 754  
 —; Walkup, John F.; Hagler, Marion O.: Sampling theorem for space-variant systems (T), JOSA 66: 918  
 —; Walkup, John F.; Hagler, Marion O.; Krile, Thomas F.: Space-variant processing of 1-D signals (TE), AO 16: 739  
 Space-variant processing using temporal holography (A), JOSA 69: 1467  
 —; Walkup, John F.; Irby, Carl A.: Techniques in one-dimensional space-variant processing (A), JOSA 67: 1423



- Two-dimensional coherent space-variant processing using temporal holography: processor theory (T), AO 18: 3670
- Markson, Ralph.** See Fairall, C. W., JOSA 68: 539
- Marlett, C. J.** See Hug, W. F., JOSA 68: 62
- Marling, Jack B.**
- ; Hawley, J. G.; Liston, E. M.; Grant, W. B.: Lasing characteristics of seventeen visible-wavelength dyes using a coaxial-flashlamp-pumped laser (E), AO 13: 2317
- Oxygen-17 enrichment by Ne II ion laser photo-predissociation of formaldehyde (A), JOSA 66: 390
- ; Herman, Irving P.: Requirements for deuterium separation via multiphoton dissociation (A), JOSA 68: 685
  - ; Herman, Irving P.: Very high deuterium isotopic selectivity in IR multiple-photon dissociation of trifluorodichloroethane (A), JOSA 68: 1422
- Marlot, Claude.** See Chevillard, Jean-Pierre, AO 16: 1817
- Marmet, Paul.** See Arsenault, Henri H., JOSA 66: 1131
- Marom, Emanuel.** See Daendliker, Rene, JOSA 66: 23; Kassai, D., JOSA 69: 1242; Katz, J., JOSA 69: 696; Yeh, Pochi, JOSA 68: 1196
- ; Chen, B.; Ramer, O. G.: Determination of ray directions coupled out of waveguides through prisms and gratings (T), AO 18: 1092
  - ; Ramer, O. G.: Geodesic optical waveguide lens analysis: Comment (T) (L), JOSA 69: 791
  - ; Goodman, Joseph W.: Ghost image interferometry (T) (L), AO 17: 172
  - ; Grinberg, Jan: Incoherent optical subtraction of images in real time (A), JOSA 67: 1415
  - Optical delay line matched filter (A), JOSA 67: 1382
  - ; Rourke, M. D.; Barnoski, M. K.: Optical fiber taper couplers: diameter and slope measurements (A), JOSA 67: 1372
  - ; Grinberg, Jan: Subtraction of images with incoherent illumination in real time (ET) (L), AO 16: 3086
  - ; Katz, J.: Unconventional generation of interferometric patterns of diffuse objects (A), JOSA 66: 1085
  - ; Katz, J.: Unconventional interferometric realizations based on holographic nonlinear effects (TE), AO 16: 1400
- Marowsky, G.** See Ernst, W. E., JOSA 68: 1356
- ; Cordray, R.; Tiel, F. K.; Wilson, W. L., Jr.: Superradiant emission from electron beam excited POPOP dye vapor (A), JOSA 68: 701
  - ; Cordray, R.; Tittel, F. K.; Wilson, W. L., Jr.: Versatile high-temperature high-pressure vapor cell design for electron beam excited laser studies (E), AO 17: 3491
- Marquet, L. C.** See O'Neil, R. W., AO 13: 314
- Marr, David.** See Nishihara, H. Keith, JOSA 67: 1400
- ; Ullman, S.; Poggio, Tomaso: Bandpass channels, zero-crossings, and early visual information processing (T) (L), JOSA 69: 914
  - Representing visual information (A), JOSA 67: 1400
  - ; Poggio, Tomaso: Theory of human stereopsis (A), JOSA 67: 1400
- Marrone, E. S.**
- ; Ribbens, William B.: Dual index holographic contour mapping over a large range of contour spacings (E) (L), AO 14: 23
- Marrone, Michael J.** See Schneider, Irwin, OL 4: 390
- Marsh, G. E.** See Dobrowolski, J. A., AO 16: 1491
- Marsh, James S.** See Smith, Richard C., JOSA 64: 798
- Spatial filtering of moiré plots (A), JOSA 64: 560
- Marshall, B. R.** See Lin, C.-H., JOSA 68: 1383, AO 17: 2486
- Marshall, Gerald F.**
- Low light and thermal imaging systems, IEE international conference, London, 3-5 Mar 1975 (M), AO 14: 2029
- Marshall, John.** See Palmer, David A., JOSA 64: 1397
- Marshall, John C.**
- Chemical Instrumentation. By H. A. Strobel (B), AO 13: 687
- Marshall, Joseph H.** See Zogg, Jodie A., JOSA 66: 996
- Marston, Philip L.**
- Critical angle scattering by a bubble: physical-optics approximation and observations (TE), JOSA 69: 1205
  - Fourier optical synthesis of Zernike's three-slit interferometer (TE) (L), JOSA 68: 868
- Martens, U.**
- ; Kneubuehl, F. K.: Dynamics of thin-film thermal detectors in infrared imaging systems. 1: Basic equations and Fourier analysis (T), AO 13: 1455
  - ; Jeannet, P.; Kneubuehl, F. K.: Dynamics of thin-film thermal detectors in infrared imaging systems. 2: Imaging of fixed and moving objects (T), AO 14: 1177
- Martin, A.**
- Optimization of telescope images (T) (L), JOSA 65: 858
- Martin, D. H.** See Carli, B., JOSA 67: 917
- Martin, E. A., Jr.**
- ; Mandel, Leonard: Electron energy spectrum in laser-induced multiphoton ionization of atoms (E), AO 15: 2378
- Martin, F.** See Borgnino, J., JOSA 67: 1065, JOSA 68: 277; Mitchel, G. R., AO 18: 2422
- ; Aime, Claude: Spectral properties of random arrays of grains (TE) (L), JOSA 68: 1781
  - ; Aime, Claude: Spectral properties of random arrays of grains (TE) (L), JOSA 69: 1315
- Martin, Frank E.** See Kroes, Roger L., JOSA 66: 999
- Martin, J. J.**
- ; Lipson, Herbert G.; Bendow, Bernard; Hordvik, Audun; Mitra, Shashanka S.: Mixed fluorides for mid-IR laser windows (A), JOSA 67: 253
- Martin, M. V. Perez.** See Gomex-Reino, C., AO 18: 3032
- Martin, N. B.** See Bruckner, Adam P., AO 18: 1876
- Martin, Piedad**
- ; Campos, Jose: Experimental absolute transition probabilities of lines from the  $3d'(3/2)_{1/2}$  level of Ne I (E), JOSA 67: 1327
- Martin, R.**
- Heavy-ion fusion at Argonne National Laboratory (A), JOSA 68: 546
- Martin, R. J.** See Tien, P. K., JOSA 66: 288
- Martin, T. H.**
- ; Johnson, D. L.; McDaniel, D. H.: Pulsed power technology for fusion experiments (A), JOSA 68: 545
- Martin, W. E.** See Taylor, Henry F., JOSA 66: 291
- ; Milam, D.: Interpulse interference and passive laser pulse shapers (ET), AO 15: 3054
  - Refractive index profile measurements of diffused optical waveguides (E), AO 13: 2112
  - Refractive index profile optimization in diffused graded index lenses, AO 14: 2427
  - ; Kuizenga, D. J.: Short-pulse oscillator for Shiva (A), JOSA 68: 547
- Martinek, Stephen J.** See Dunkelmann, Lawrence, JOSA 66: 1087
- ; Wolfe, William L.; Dunkelmann, Lawrence: Extraction of total atmospheric ozone content from solar spectral irradiance data in the Huggins and Chappuis bands (A), JOSA 67: 1370
  - ; Dunkelmann, Lawrence: Solar spectral irradiance and atmospheric extinction in the visible and ultraviolet from an elevation of 2.79 km (A), JOSA 66: 1087
- Martinez, John M., II**
- ; Sturr, Joseph F.: Technique to establish that rods contribute to steady-state detection threshold measured with a green test probe (A), JOSA 64: 1387
- Martinez-Sanchez, Manuel.** See Ebersole, John F., JOSA 69: 1398
- Martini, Giuseppe.** See Donati, Silvana, JOSA 69: 1690
- Marton, J. P.** See Garside, B. K., AO 17: 3670
- Marton, L.**
- Introduction to the Theory of Space-Charge Optics. By Gy. A. Nagy and M. Szilagyi (B), AO 15: 559
- Martucci, J.** See Yip, Gar Lam, AO 15: 2131
- Maruani, A.** See Oudar, J. L., JOSA 68: 1638
- Maruyama, Yoshihisa**
- ; Iwata, Koichi; Nagata, Ryo: Determination of axially symmetrical refractive index distribution from directions of emerging rays (E), AO 16: 2500
  - ; Iwata, Koichi; Nagata, Ryo: Effect of refractive index discontinuity on the reconstruction of the refractive index field (E) (L), AO 16: 2034
- Marx, Gary E.** See Betts, Gary E., AO 17: 2346, AO 17: 3969
- Marzwell, Neville I.** See Kienzie, W., JOSA 68: 1396; Lee, T. C., AO 17: 2802
- Conservation and recovery of photographic raw materials, SPSE international summer symposium, Bloomington, 24-27 Jun 1975 (M), AO 14: 2321
- Mas, G.**
- ; Blancher, H.; Roig, J.: Light intensity of the fundamental TEM<sub>00</sub> mode of a He-Ne gas laser without Brewster windows: achievement of a polarized rectilinear laser beam of stable intensity (E) (L), AO 13: 2771
- Maschke, A. W.** See Haber, I., JOSA 68: 546
- Heavy-ion fusion at Brookhaven National Laboratory (A), JOSA 68: 546
- Maslowski, S.**
- High density data storage on ultraviolet sensitive tape (E), AO 13: 857
- Mason, D. S.** See Han, K. S., AO 16: 1260
- Mason, James B.** See Armstrong, R. L., AO 15: 2891
- Lidar measurement of temperature: a new approach (T), AO 14: 76
- Mason, Peter.** See Mrdjen, Peter, JOSA 66: 379
- Mason, S. B.** See Chodsko, R. A., AO 15: 2137, AO 15: 2367
- Massa, Gerard P.** See Shapiro, Jeffrey H., JOSA 65: 1218
- Massey, G. A.** See Johnson, J. C., JOSA 68: 1356, AO 17: 2268
- ; Johnson, J. C.: Coherent UV sources for photoelectron microscopy (A), JOSA 66: 1098
  - ; Erickson, D. C.; Kadlec, R. A.: Electromagnetic field components: their measurement using linear electrooptic and magneto-optic effects (TE), AO 14: 2712
  - ; Johnson, J. C.: Shifting of rhodamine dye-laser light into the blue-green (E) (L), AO 17: 3702
- Massey, Norman G.** See Porcello, Leonard J., JOSA 66: 1305
- Massie, N. A.** See Southwell, W. H., JOSA 69: 1468
- ; Nelson, R. D.: Beam quality of acousto-optic frequency shifters (E), OL 3: 46
  - ; Nelson, R. D.; Holly, S.: High-performance real-time heterodyne interferometry (ET), AO 18: 1797
  - ; Hartlove, J. S.; Southwell, W. H.: Modal wave-front measurement and control by moments sensing in the far field (A), JOSA 69: 1465
- Massig, J. H.** See Doebele, H. F., AO 15: 69
- Massof, Robert W.** See Bird, Joseph F., JOSA 68: 1471
- ; Fitzke, F. W.; Starr, Stuart J.: Area reciprocity law for wavelength discrimination (A), JOSA 68: 1399
  - ; Bird, Joseph F.: General zone theory of color and brightness vision. I. Basic formulation (T), JOSA 68: 1465
- Massot, J. N.** See Gagnaire, H., AO 18: 2510; Meunier, J. P., AO 18: 1290
- Masteron, Keith D.**
- ; Yoder, Robert: High-temperature reflectance of silicon-on-silver solar-thermal absorber (A), JOSA 64: 1384
  - Infrared, hemispherical reflectometer for characterizing selective surfaces for solar thermal energy conversion (A), JOSA 67: 252
  - Selective surfaces for solar energy conversion (A), JOSA 66: 1071
- Masuda, C.** See Takahashi, Hidetoshi, OL 4: 24
- Masuda, K.** See Aritome, H., JOSA 66: 289; Kawabe, M., AO 17: 2556
- Masuda, Masamitsu**
- ; Koyama, Jiro: Effects of a buffer layer on TM modes in a metal-clad optical waveguide using Ti-diffused LiNbO<sub>3</sub> C-plate (T), AO 16: 2994
- Masuko, Harutake.** See Kuroda, Hiroto, JOSA 68: 660
- Masumoto, H.** See Sakai, K., AO 17: 1709
- Mataloni, Raymond J.** See Brandt, Howard E., AO 14: 2371
- Matekunas, F.**
- ; Sweeney, Donald W.; Stevenson, Warren H.: Infrared holography: an analysis of the thermal behavior of thin films (T), AO 15: 1541
- Mathai, C. V.**
- ; Walls, W. L.; Broersma, S.: Adiabatic pressure dependence of the 2.7 and 1.9  $\mu$ m water vapor bands (E), JOSA 67: 1532



- Mathews, C. Weldon.** See Fried, Alan, AO 16: 3077
- Mathieu, E.** See Leger, D., JOSA 66: 182, AO 14: 872
- Mathieu, H. J.** See Muller, R. H., AO 13: 2222
- Mathieu, Pierre**
- ; Izatt, Jerald R.: Method for tuning a laser to an absorption line (A), JOSA 67: 1425
- Matin, Leonard.** See Cantor, Barry I., AO 14: 2819; Teich, Malvin Carl, JOSA 68: 386
- Matiuk, V. M.** See Antonov, V. S., OL 3: 37
- Matloff, Gregory L.**
- Effect of horizontal Rayleigh air mass models on evaluation of stratospheric aerosol optical depth remote sensing measurements from earth orbit (A), JOSA 67: 259
- Laser diffraction study of diatoms (A), JOSA 66: 1135
- ; Stewart, Richard W.: Tropospheric UV flux calculations and photolysis rates for use with zonally and diurnally averaged models (T), AO 18: 3421
- ; Fennelly, Alphonsus J.: Use of the moon and the large space telescope as an extrasolar-planet detection system (A), JOSA 64: 531
- ; Fennelly, Alphonsus J.: Vacuum-ultraviolet laser and interstellar space flight (A), JOSA 64: 531
- Matoba, M.** See Yamanaka, C., JOSA 68: 543
- ; Fujita, H.; Kawamura, Y.; Nishimura, H.; Nakai, S.; Yamanaka, C.: High efficiency CO<sub>2</sub> laser system "Lekko II" using multiline energy extraction (A), JOSA 68: 670
- Matsuda, A.**
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- ; Izima, S.: Photo-induced stopping of guided light in dye doped polyurethane films (E) (L), AO 16: 23
- Matsuda, Isao.** See Kuramochi, Naimu, JOSA 68: 1087
- Matsuda, Tadashi.** See Matsumoto, T., AO 17: 3538
- ; Abe, Fumitaka; Takahashi, Hideo: Laser printer scanning system with a parabolic mirror (ET), AO 17: 878
- Matsuhara, Masanori**
- ; Watanabe, A.: Coupling of curved transmission lines, and application to optical directional couplers (T), JOSA 65: 163
- ; Hill, Kenneth O.: Optical-waveguide band-rejection filters: design (T), AO 13: 2886
- ; Hill, Kenneth O.; Watanabe, A.: Optical-waveguide filters: synthesis (T), JOSA 65: 804
- ; Hill, Kenneth O.; Watanabe, A.: Synthesis of filters for integrated optics (A), JOSA 64: 1365
- Matsui, Teruhito.** See Nunoshita, Masahiro, OL 4: 27
- Matsumoto, M.** See Maeda, Minoru, AO 16: 403
- Matsumoto, Steve**
- ; Liu, Bede: Half-tone screen design methods for nonlinear optical processing (TE), AO 18: 2792
- Matsumoto, T.**
- ; Nagata, Ryo; Saishin, M.; Matsuda, Tadashi; Nakao, S.: Measurement by holographic interferometry of the deformation of the eye accompanying changes in intraocular pressure (E) (L), AO 17: 3538
- ; Iwata, Koichi; Nagata, Ryo: Measurement of deformation in a cylindrical shell by holographic interferometry (ET), AO 13: 1080
- ; Nakagawa, K.: Wavelength dependence of spliced graded-index multimode fibers (ET), AO 18: 1449
- Matsumura, H.** See Gambling, W. A., JOSA 67: 707, AO 14: 1538
- Matsumura, Masaru**
- Analysis of wave-front aberrations caused by deformation of hologram media (T), JOSA 64: 677
- Evaluation of deformation tolerance of the hologram medium (T), JOSA 64: 928
- Speckle noise reduction by random phase shifters (ET), AO 14: 660
- Speckle noise reduction by random phase shifters (errata), AO 14: 1237
- Matsuoka, M.**
- ; Okada, J.; Ikeda, K.: Cooperative cascade emission (A), JOSA 68: 707
- Matsuoka, S.**
- Review of studies on coating for optical fibers at Bell Laboratories (A), JOSA 67: 706
- Matsushima, Fusakazu**
- ; Morita, Norio; Kano, Satoru; Shimizu, Tadao: Infrared-infrared double-resonance spectroscopy on molecular beams (A), JOSA 68: 647
- Matsushita, Tatsuhiko.** See Okuda, Masahiro, AO 13: 799
- ; Suzuki, A.; Yokota, S.; Okuda, Masahiro; Nang, T. T.: Photovoltaic effect of amorphous In<sub>2</sub>Se<sub>3-x</sub>-SnO<sub>2</sub> heterostructure (A), JOSA 66: 1069
- Matsuura, Y.** See Iga, Kenichi, JOSA 66: 385
- Matsuzaki, Hideomi.** See Yokozawa, Minoru, JOSA 64: 396
- Mattar, Farres P.**
- ; Serafim, Philip E.: Interpretation of the on-resonance coherent self-focusing (A), JOSA 66: 1126
- ; Newstein, M. C.: Self-focusing of coherent optical pulses in resonant absorbers (A), JOSA 65: 1181
- Matteson, Halsey H.**
- ; Lewis, Joel H.; Dunlap, William P.: Perceptual latency as a function of stimulus duration and luminance in the fovea (A), JOSA 64: 1403
- ; Lewis, Joel H.: Temporal facilitation and stroboscopic motion (E), JOSA 69: 92
- Matthijse, Pieter**
- ; Hammer, P. J. G.: Fresnel region for spatially band-limited signals (T), JOSA 65: 188
- Multiple imaging with thin phase filters: a signal processing approach (TE), JOSA 68: 733
- Sufficient conditions for a thin-filter description of thick phase filters (T), JOSA 65: 1337
- Mattioli, M.** See Breton, C., JOSA 69: 1652
- Mattox, D. M.**
- Economic and technical aspects of coatings for solar energy (A), JOSA 66: 164
- Mattson, R. L.**
- Role of optical memories in computer storage (R), AO 13: 755
- Matuk, Y.**
- ; Parker, J. A.; Goldlist, G. I.: Wavelength-dependent effect of near ultraviolet on C<sup>14</sup>-leucine incorporation into rat retina (A), JOSA 64: 1373
- Matumura, On**
- ; Cho, Masanori: Thermal emittance study of small MgO crystals (A), JOSA 69: 1472
- Matveev, O. I.** See Bekov, G. I., OL 3: 159
- Matvienko, G. G.** See Zuev, V. E., AO 16: 2231
- Mauck, Michael**
- Knife-edge profiling of Q-switched Nd:YAG laser beam and waist (E) (L), AO 18: 599
- Knife-edge profiling of Q-switched Nd:YAG laser beam and waist (errata), AO 18: 2099
- Mauldin, L. E., III.** See McCormick, M. Patrick, JOSA 67: 258
- Maurer, R. D.** See Keck, Donald B., JOSA 66: 291
- Strength of optical waveguides (A), JOSA 67: 706
- Mavrodineanu, Radu.** See Mielenz, Klaus D., AO 14: 1940
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- Max, C. E.** See Barnes, C., JOSA 68: 543
- Maxia, Vera**
- Light polarization problems (T), AO 15: 2576
- Maxwell, J.** See Renninger, G. H., JOSA 69: 1433
- Maxwell, James Clerk**
- Telephone (N), AO 17: 1662
- May, A. D.** See Henesian, Michael A., OL 1: 149; Witkowitz, T., AO 14: 3092
- ; Byer, Robert L.; Duncan, Michael D.; Henesian, Michael A.: Absolute Raman frequency measurement using CARS (A), JOSA 67: 1397
- ; Ghaem-Maghami, V.: Rayleigh-Brillouin spectrum of compressed He, Ne, and Ar (A), JOSA 67: 1410
- May, C. A.** See Carlson, L. R., JOSA 66: 846
- May, Marie.** See Francon, Maurice, JOSA 66: 178
- ; Francon, Maurice: Correlation and information processing using speckles (T), JOSA 66: 1275
- May, Randall S.**
- ; Akcasu, Ziya; Knoll, Glenn F.: Gamma-ray imaging with stochastic apertures (T), AO 13: 2589
- May, W.**
- ; Kieffe, H.; Clouter, M. J.; Stegeman, George I.: Automated data acquisition and stabilization system for Fabry-Perot interferometry (E), AO 17: 1603
- ; Kieffe, H.; Clouter, M. J.; Stegeman, George I.: Automated data acquisition and stabilization system for Fabry-Perot interferometry (errata), AO 17: 2873
- Maydan, D.**
- Very-large-scale integrated (VLSI) device fabrication by x-ray lithography (A), JOSA 69: 1471
- Mayer, A.**
- ; Comera, J.; Charpentier, H.; Jaussaud, C.: Absorption coefficients of various pollutant gases at CO<sub>2</sub> laser wavelengths; application to the remote sensing of those pollutants (E), AO 17: 391
- ; Comera, J.; Charpentier, H.; Jaussaud, C.: Absorption coefficients of various pollutant gases at CO<sub>2</sub> laser wavelengths; application to the remote sensing of those pollutants (errata), AO 17: 2138
- ; Catlett, Duane S.: Plating laser-fusion targets (A), JOSA 68: 550
- Mayer, F. J.** See Slater, D. C., JOSA 68: 544
- Mayeux, C.** See Micheron, F., AO 13: 784
- Mayeux, C.** See Alvarez, E., OL 4: 268
- Maykut, G. A.** See Roulet, R. R., AO 13: 1652
- Mayo, William T., Jr.**
- Development of a high-speed dual-lag photon processor (A), JOSA 66: 382
- Photon counting processor for laser velocimetry (TE), AO 16: 1157
- Simulation of photon correlation of LDV signals (A), JOSA 66: 1076
- Mayr, Ernst.** See Nagel, Max R., AO 13: 1946
- Maystre, Daniel.** See Loewen, Erwin G., AO 15: 2937, AO 16: 2711, AO 18: 2262, JOSA 68: 496; Neviere, Michel, JOSA 67: 1438, AO 17: 843, JOSA 68: 1106; Roumiguieres, J. L., JOSA 66: 772; Vincent, P., AO 18: 1780
- General integral theory for dielectric coated gratings (T), JOSA 68: 490
- Mazumder, M. K.**
- ; Kirsch, K. J.: Aerosol-size spectrum analysis using relaxation-time measurement (A), JOSA 64: 1399
- ; Nichols, S. N.; Overbey, R. L.: Aerosol sizing by laser Doppler relaxation-time measurement (A), JOSA 66: 382
- ; Kirsch, K. J.: Flow tracing fidelity of scattering aerosol in laser Doppler velocimetry (ET), AO 14: 894
- McAdam, D. W.**
- ; Hauptmann, E. G.: Optical measurements of liquid film profile and dynamic contact angle (E) (L), AO 14: 1764
- McAlister, H. A.** See Breckinridge, James B., JOSA 66: 1077, AO 18: 1034
- Binary star speckle interferometry (A), JOSA 66: 1077
- McAllister, G. L.**
- ; Draggoo, V. G.; Eguchi, R. G.: Acoustical wave effects on the beam quality of a high energy CO electric discharge laser (E), AO 14: 1290
- McAllister, W. A.**
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- Electronics division symposia, 147th Electrochemical Society Meeting, Toronto, 11-16 May 1975 (M), AO 14: 2322
- Properties of electrodeposits, Electronics Division symposia, Electrochemical Society, 13-17 Oct 1974 (M), AO 14: 556
- McCall, D. C.** See Stotts, L. B., AO 14: 2341, AO 15: 1124
- McCall, Gene H.** See Gitomer, Steven J., JOSA 68: 659
- ; Brown, David C.: Physical processes and energy balance in laser targets (A), JOSA 68: 542
- McCall, S. L.**
- ; Gibbs, H. M.: Optical bistability via thermal effects in a glass filter (A), JOSA 68: 1378
- ; Gibbs, H. M.; Venkatesan, T. N. C.: Optical transistor and bistability (A), JOSA 65: 1184
- McCall, R. L.** See Farrell, R. A., JOSA 66: 342
- McCamy, Calvin S.**
- Measurement of geometric aspects of appearance (A), JOSA 69: 1403



- Theory of optical wedges as flux modulators (T), JOSA 66: 1350
- Theory of optical wedges as flux modulators (T) (errata), JOSA 67: 1695
- McCann, John J.** See Benton, Jeanne L., JOSA 67: 119; Savoy, Robert L., JOSA 65: 343
- ; Hall, John A.; Land, Edwin H.: Color Mondrian experiments: the study of average spectral distributions (A), JOSA 67: 1380
- ; Stiehl, W. Alan; Savoy, Robert L.: Influence of intraocular scattered light on lightness scaling experiments (A), JOSA 69: 1452
- Maximum luminance in the field of view does not always generate the maximum lightness (A), JOSA 66: 1103
- ; Wilson, Stewart W.; Frankle, Jonathan A.; Houston, Karen L.: Mechanism for the constant appearance of objects with varying viewing distance (A), JOSA 69: 1452
- ; Benton, Jeanne L.: Variegated color sensations from rod-cone interactions: flicker-fusion experiments (A), JOSA 65: 1200
- ; Hall, John A.: Visibility of low-spatial-frequency sine-wave targets: dependence on size of average-luminance surround (A), JOSA 67: 1408
- McCanney, Thomas O.** See Sheahen, Thomas P., JOSA 65: 825
- McCarthy, Robert J.** See Moore, Gerald T., JOSA 66: 1132, JOSA 66: 1132, JOSA 67: 221, JOSA 67: 228
- McCarthy, S. L.** See Weber, W. H., AO 13: 715
- McCartney, D. J.** See Bates, B., AO 15: 2216, AO 17: 2119
- McCaughy, Dennis G.**  
Optical spline-image coding (A), JOSA 68: 1376
- McClain, Charles R.** See Kim, Hongsuk H., AO 18: 3715, AO 18: 4088
- McClatchey, R. A.** See Rothman, L. S., AO 15: 2616, AO 17: 507
- ; Kneizys, Francis X.: Long-path high-resolution atmospheric transmission measurements: comparison with LOWTRAN 3B predictions; comments (T) (L), AO 18: 592
- McClellan, C.**  
—; Norris, H.; Nourie, D.; Munn, Michael W.: Optical effects of gas flow through an optical train: an experimental determination (E), AO 18: 3984
- McClellan, Rolf P.** See Bernal G., Enrique, AO 15: 2956; Oettinger, P. E., AO 15: 16
- Ruled Zn-Se wire-grid polarizer (A), JOSA 65: 1215
- McClelland, John F.**  
—; Kniseley, Richard N.: Photoacoustic spectroscopy with condensed samples (E), AO 15: 2658
- ; Kniseley, Richard N.: Scattered light effects in photoacoustic spectroscopy (E) (L), AO 15: 2967
- McClenny, W. A.** See Chaney, L. W., AO 18: 3004; Fincher, C. L., JOSA 66: 1123, AO 16: 1359; Patty, R. R., AO 13: 2850
- McCluney, W. R.** See Gordon, Howard R., AO 14: 413
- Multichannel forward scattering meter for oceanography (E), AO 13: 548
- Ocean color spectrum calculations (T), AO 13: 2422
- Optics of the sea (interface and inwater transmission and imaging), NATO AGARD lecture series no. 61, Miami, 17-21 Sep 1973 (M), AO 13: 8
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- McClung, F. J.** See Pearson, James E., JOSA 66: 392
- McClure, J. D.** See Nichols, D. B., JOSA 66: 1109
- McColl, Malcolm**  
Schottky-barrier diodes and heterodyne detection (A), JOSA 67: 1431
- McColum, B.** See Lempicki, A., JOSA 68: 630
- McCord, Thomas B.**  
—; Frankston, Michael J.: Silicon diode array vidicons at the telescope: observational experience, AO 14: 1437
- McCormick, A. R.** See Ogawa, K., AO 17: 2077
- McCormick, M. Patrick.** See Chu, William P., JOSA 67: 259, AO 18: 1404; Fuller, William H., Jr., JOSA 67: 258; Harris, Franklin S., Jr., JOSA 64: 540; Northam, G. Burton, AO 13: 2416; Russell, Philip B., AO 18: 3783
- ; Swisler, Thomas J.; Chu, William P.: Aerosol tropospheric-stratospheric exchange (A), JOSA 67: 1695
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- ; Fuller, William H., Jr.: Lidar measurements of two intense stratospheric dust layers (E) (L), AO 14: 4
- ; Edwards, Howard B.; Mauldin, L. E., III; McMaster, L. R.: Satellite solar occultation measurements, SAM II and SAGE (A), JOSA 67: 258
- McCown, R. B.** See Gregory, Don A., AO 18: 3161
- McCoy, D. G.** See Carver, J. H., AO 17: 420
- McCrary, V.** See Halpern, J. B., AO 18: 590
- McCreary, W. J.**  
—; Catlett, Duane S.: Application of chemical vapor deposition to the fabrication of laser fusion targets (A), JOSA 68: 550
- McCrorry, James R.** See Jacobs, Ira, JOSA 67: 709
- McCrorry, R. L., Jr.** See Skupsky, Stanley, JOSA 68: 549; Steel, Duncan G., JOSA 68: 550
- ; Morse, R. L.; Verdon, C. P.: Nonlinear development of the Rayleigh-Taylor instability in laser-driven implosions (A), JOSA 68: 549
- McCubbin, T. K.**  
Introduction to Applied Optics for Engineers. By F. Paul Carlson (B), AO 16: 3064
- McCullen, J. D.** See Scully, Marlan O., JOSA 66: 1098
- McCullough, A. W.** See Mumola, Peter B., AO 17: 936
- McCurnin, Thomas W.** See Hall, Donald N. B., AO 14: 450
- McCurry, Max E.** See Browder, James Steve, JOSA 69: 1471
- ; Ballard, Stanley S.; Browder, James Steve: Thermal expansion of Irtran materials, from 30 to 250°C (A), JOSA 67: 1443
- McCusker, M. V.** See Margevicius, J. A., JOSA 68: 705
- McCutchen, C. W.**  
Optical extent (L), AO 13: 1537
- McDaniel, D. H.** See Martin, T. H., JOSA 68: 545
- McDaniel, Earl W.**  
Advanced Molecular Quantum Mechanics. By Richard E. Moss (B), AO 13: 4A18
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- Lectures on Quantum Mechanics. By Gordon Baym (B), AO 16: 271
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- Physics of Atmospheres. By John T. Houghton (B), AO 17: 846
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- Quantum Statistical Properties of Radiation. By William H. Louisell (B), AO 13: 451
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- McDaniel, J. B.** See Kaye, Wilbur, AO 13: 1934
- McDavid, J. M.** See Wang, T. T., AO 18: 2354
- McDermitt, J. H.**  
—; Horton, T. E.: Reflective optics for obtaining prescribed irradiative distributions from collimated sources (TE), AO 13: 1444
- ; Horton, T. E.: Reflectors for obtaining prescribed illumination distributions: II. Line sources (A), JOSA 64: 1357
- ; Horton, T. E.: Reflectors for obtaining prescribed illumination distributions: I. Point sources (A), JOSA 64: 1357
- McDermott, W. E.** See Benard, D. J., JOSA 68: 102
- McDonagh, Antony F.** See Diamond, Ivan, JOSA 64: 534
- Photochemistry and photometabolism of bilirubin (A), JOSA 64: 537
- McDonald, F. Alan**  
Photoacoustic determination of small optical absorption coefficients: extended theory (T), AO 18: 1363
- McDonald, J. R.** See Baronavski, Andrew P., AO 16: 1897
- McDonough, Ralph.** See Barlow, Bertram L., JOSA 64: 1376
- McDowell, Robin S.**  
Frequency analysis of the circumzenithal arc: Evidence for the oscillation of ice-crystal plates in the upper atmosphere (T), JOSA 69: 1119
- ; Galbraith, Harold W.; Cantrell, Cyrus D.; Nereson, Norris G.; Moulton, Peter F.; Hinkley, E. David: High- $f$  assignments in the 10.5- $\mu$ m SF<sub>6</sub> spectrum: identification of the levels pumped by CO<sub>2</sub> P(12) and P(22) (E), OL 2: 97
- ; Patterson, Chris W.; Jones, C. Randy; Buchwald, Melvin I.; Telle, John M.: Spectroscopy of the CF<sub>4</sub> laser (E), OL 4: 274
- McElheny, Victor K.**  
Lasers: from science fiction to industry (L), AO 16: 10
- McElroy, D. L.**  
Thermal conductivity, 13th international conference, Lake Ozark, 5-7 Nov 1973 (M), AO 13: 225
- McElroy, John H.**  
Carbon dioxide laser space data relay links (A), JOSA 64: 520
- ; Thompson, P. E.; Walker, H. E.; Johnson, E. H.; Radecki, D. J.; Reynolds, Richard S.: Laser tuners using circular piezoelectric benders (ET), AO 14: 1297
- McFann, B. V., Jr.** See Hryley, C. A., JOSA 68: 548
- McFee, J. H.** See Rigrod, W. W., JOSA 65: 46
- McFee, Raymond H.**  
Power-collection reduction by mirror-surface nonflatness and tracking error for a central-receiver solar-power system (A), JOSA 64: 1358
- Power collection reduction by mirror surface nonflatness and tracking error for a central receiver solar power system (T), AO 14: 1493
- McGarrity, J. M.** See Eubanks, A. G., JOSA 64: 1194
- McGee, T. D.** See Chang, T. Y., JOSA 68: 669
- McGee, T. J.**  
—; McIlrath, Thomas J.: Stratospheric temperature and pressure determinations from an OH fluorescence lidar instrument (T), AO 18: 1710
- McGill, William J.** See Teich, Malvin Carl, JOSA 68: 1454, JOSA 69: 1469
- McGlamery, Benjamin L.**  
Computer simulation studies of restoration of turbulence-degraded images (A), JOSA 66: 174
- McGowan, J. Wm.** See Medeiros, J. A., JOSA 67: 1372
- McGuire, E. J.**  
Configuration interaction effects on the odd parity levels of Si (T), JOSA 69: 525
- ; Duguay, Michel A.: Soft x-ray gain in the alkali earths (T), AO 16: 83
- McGuirk, Michael**  
—; Carniglia, Charles K.: Angular spectrum representation approach to the Goos-Haenchen shift (T), JOSA 67: 103
- ; Carniglia, Charles K.: Comparison of the peak and centroid locations of a Goos-Haenchen shifted beam (A), JOSA 68: 1405
- ; Carniglia, Charles K.: Focal shift on total internal reflection (A), JOSA 65: 1168
- ; Carniglia, Charles K.: Measurement of the angular beam shift on internal reflection (A), JOSA 66: 1136
- ; Carniglia, Charles K.: Measurement of the angular shift near Brewster's angle (A), JOSA 67: 1439
- McGonigal, Thomas E.** See Bufton, Jack L., JOSA 69: 1180, JOSA 69: 1198
- McHenry, Thomas F.**  
Ranging laser atmospheric transmissometer (A), JOSA 66: 382
- McIlrath, Thomas J.** See Browell, Edward V., AO 18: 3474; Lucatorto, T. B., AO 18: 2505, AO 18: 2916; Mahon, Rita, OL 4: 360, AO 18: 891; McGee, T. J., AO 18: 1710; Morris, Mark B., AO 18: 4145; Sugar, Jack, OL 4: 109
- ; Hudson, R.; Wilkerson, Thomas D.; Aikins, Arthur C.: Two-photon lidar technique for remote sensing of atomic oxygen (T), AO 18: 316
- McIntyre, Charles M.** See Churnside, James H., JOSA 68: 1369, AO 16: 2669, AO 17: 2141, AO 17: 2148, AO 18: 2315, JOSA 68: 1673; Lee, Myung Hun, JOSA 68: 1369



- Atmospheric optical communication workshop, Oregon Graduate Center, 21-23 Jan 1976 (M), AO 16: 785
- ; Lee, Myung Hun; Kerr, J. Richard; Churnside, James H.: Enhanced variance of irradiance from target glint (TE) (L), AO 18: 3211
- McIntyre, L. C., Jr.** See Bernstein, E. M., AO 15: 1899; Donahue, D. J., JOSA 68: 998
- McIntyre, Peter D.** See Snyder, Allan W., JOSA 66: 877
- Cross talk in absorbing optical fibers (T), JOSA 65: 810
- ; Snyder, Allan W.: Light propagation in twisted anisotropic media: application to photoreceptors (T), JOSA 68: 149
- ; Snyder, Allan W.: Power transfer between nonparallel and tapered optical fibers (T), JOSA 64: 285
- Power transfer between nonparallel and tapered optical fibers (errata), JOSA 65: 351
- Transmission of light through a twisted nematic liquid-crystal layer (T) (L), JOSA 68: 869
- McKay, Christine L.** See Kinney, Jo Ann S., JOSA 64: 1244
- McKechnie, T. S.**
- Cores in star images (A), JOSA 66: 635
- McKee, Suzanne P.** See Westheimer, Gerald, JOSA 64: 1384, JOSA 65: 1184, JOSA 65: 847, JOSA 66: 332, JOSA 68: 450
- Visual detection of differences in velocity (A), JOSA 68: 1380
- McKee, T. J.** See Wallace, Stephen C., JOSA 68: 677
- ; Stoicheff, B. P.; Wallace, Stephen C.: Tunable, coherent radiation in the Lyman- $\alpha$  region [1210–1290 Å] using magnesium vapor (E), OL 3: 207
- McKeighen, Ronald E.**
- Theological optics: 2. Walking on the sand at night in a high wind (L), AO 15: 324
- McKeith, C. D.** See Bates, B., AO 13: 1746, AO 17: 2119
- McKellar, A. R. W.**
- Laser absorption spectroscopy of rotation-vibration bands of unstable molecules (A), JOSA 67: 1387
- McKellar, Bruce H. J.** See Box, Michael A., JOSA 67: 260, OL 3: 91, AO 15: 2610, AO 16: 341, AO 18: 3599
- What property of a haze is determined by light scattering? 2: Nonuniform particles of arbitrary shape (T), AO 15: 2464
- McKen, D.** See Seguin, H. J. J., AO 16: 77; Zaroslov, D. Yu., JOSA 68: 669
- McKenna, J.** See Reinhart, F. K., JOSA 66: 289
- McKenzie, D. R.**
- Effect of substrate on graphite and other solar selective surfaces (TE), AO 17: 1884
- Selective nature of gold-black deposits (E), JOSA 66: 249
- McKinley, William G.**
- Analysis of the spectral imaging capabilities of a moving grating interferometric spectrometer (TE), JOSA 69: 470
- Analysis of the spectral imaging capabilities of a moving grating interferometric spectrometer (errata), JOSA 69: 1633
- McKnight, W. B.** See Lax, M., JOSA 65: 642
- McLachlan, A. D.**
- ; Gibbs, W. E. K.: Deterioration in optical materials as a result of ultrasonic cleaning (E) (L), AO 16: 544
- Two-layer low-absorption antireflection coating for KCl (E), AO 17: 447
- McLendrich, M. N.** See Pavlopoulos, T. G., AO 16: 1466
- McLarnon, F. R.**
- ; Muller, R. H.; Tobias, C. W.: Derivation of one-dimensional refractive-index profiles from interferograms (T), JOSA 65: 1011
- ; Muller, R. H.; Tobias, C. W.: Reflection effects in interferometry (ET), AO 14: 2468
- McLaughlin, Joseph L.**
- Focus-position sensing using laser speckle (A), JOSA 68: 1426
- Focus-position sensing using laser speckle (TE), AO 18: 1042
- McLaughlin, Paul O.**
- ; Moore, Duncan T.: Laser fusion microballoon characterization using a single-pass ac interference microscope (A), JOSA 67: 1386
- McLellan, Edward J.** See Sollid, Jon E., AO 17: 3527; Stotlar, S. C., JOSA 69: 373, JOSA 69: 1472
- ; Figueira, J. F.: Generation of subnanosecond CO<sub>2</sub> laser pulses by electro-optical modulation (A), JOSA 66: 387
- ; Figueira, J. F.: Variable pulse-width generation for CO<sub>2</sub> lasers in the 100 ps to 1 ns range (A), JOSA 68: 543
- McLeod, Roger D.**
- Colored pincushion grids, complements, and color vision (A), JOSA 68: 1400
- Comprehensive theory of vision (A), JOSA 66: 1120
- Fourier optics and color vision (A), JOSA 67: 1380
- Perceiving coherence and a theory of vision (A), JOSA 67: 1407
- McMahon, D. H.** See Nelson, Arthur R., OL 1: 35, AO 17: 3688
- ; Spillman, William B., Jr.: Computational approach for predicting the optical behavior of multimode fiber optic switching devices (TE), JOSA 69: 443
- Efficiency limitations imposed by thermodynamics on optical coupling in fiber-optic data links (T), JOSA 65: 1479
- ; Soref, Richard A.: Multimode optical multiplexing with low-voltage drivers (ET), OL 3: 136
- ; Gravel, Robert L.: Star repeaters for fiber optic links (E), AO 16: 501
- McMahon, G. M.**
- ; Lehmberg, R. H.; Bodner, S. E.: Optimization of Nd:Glass lasers for 1–10 ns pulses (A), JOSA 68: 542
- McMahon, G. W.**
- ; Cielo, P. G.: Fiber optic hydrophone sensitivity for different sensor configurations (T) (L), AO 18: 3720
- McMahon, T. R.** See Garmire, E., JOSA 66: 289, JOSA 66: 381, JOSA 68: 1372, AO 15: 145, AO 15: 2028
- ; Garmire, E.; Bass, Michael: Flexible, infrared transmissive waveguides at 10.6  $\mu$ m (A), JOSA 66: 1102
- ; Garmire, E.; Bass, Michael: Losses in multimode hollow metal infrared waveguides (E), OL 3: 235
- McMahon, Thomas J.**
- ; Jasperson, Stephen N.: PbS–Al selective solar absorbers (E) (L), AO 13: 2750
- McMahon, W.**
- ; Heroux, L.: Measurement of energy and angular distributions of extreme ultraviolet photoelectrons (E), AO 13: 438
- McMarr, P. J.** See Abuel-Haija, A. J., AO 18: 3123
- McMaster, L. R.** See McCormick, M. Patrick, JOSA 67: 258
- McMath, T. A.**
- ; Hewko, R. A. D.; Singh, O.; Curzon, A. E.; Irwin, J. C.: Optical constants of gold by transmission interferometry (E), JOSA 67: 630
- McMillan, Robert W.** See Corcoran, Vincent J., AO 14: 643
- Calculations of the detection probability of tracker-steered laser pulses in the presence of atmospheric scintillation (A), JOSA 68: 540
- ; Barnes, Norman P.: Detection of optical pulses: the effect of atmospheric scintillation (T), AO 15: 2501
- Optical absorption spectrum of Cr<sup>3+</sup> in yttrium aluminum garnet (TE), JOSA 67: 27
- McMillin, Larry M.** See Fleming, Henry E., AO 16: 1366
- ; Fleming, Henry E.: Atmospheric transmittance of an absorbing gas: a computationally fast and accurate transmittance model for absorbing gases with constant mixing ratios in inhomogeneous atmospheres (T), AO 15: 358
- ; Fleming, Henry E.; Hill, Michael L.: Atmospheric transmittance of an absorbing gas. 3: A computationally fast and accurate transmittance model for absorbing gases with variable mixing ratios (ET), AO 18: 1800
- McMullen, J. D.** See Hauck, J. P., AO 18: 1693
- Chirped-pulse compression in strongly dispersive media (T), JOSA 67: 1575
- Compression of frequency chirped optical pulses by a strongly dispersive grating pair (T), AO 18: 737
- Perturbation analysis of the influence of a thin dielectric film on the propagation constants of a surface optical wave (T), JOSA 65: 1253
- Recursive solution of the dispersion relation of a surface polariton in a layered structure (T) (L), JOSA 67: 698
- McNeil, W. R.**
- ; Carswell, A. I.: Lidar polarization studies of the troposphere (E), AO 14: 2158
- McNeill, D. H.**
- Ruby filter for stray light reduction in scattering experiments (E) (L), AO 15: 573
- McNeill, J. J.**
- Optical information processing, ICO conference, Sydney, 19–21 Aug 1974 (M), AO 14: 260
- McNeish, Allister.** See Pollakoff, Martyn, JOSA 68: 693
- McNulty, Frank.** See Clow, Richard, AO 13: 1238, AO 14: 61
- McNulty, P. J.** See Chew, Herman W., JOSA 66: 440, JOSA 68: 1686; Kerker, Milton, JOSA 68: 592, JOSA 68: 1676, JOSA 69: 1049
- ; Druger, S. D.; Kerker, Milton; Chew, Herman W.: Fluorescent scattering by anisotropic molecules embedded in small particles (TE) (L), AO 18: 1484
- ; Pease, V. P.; Bond, V. P.: Muon-induced visual sensations (E), JOSA 66: 49
- ; Kerker, Milton; Chew, Herman W.; Druger, S. D.; Cooke, Dery D.; Sculley, M. J.: Raman and fluorescent scattering by molecules embedded in small particles (A), JOSA 68: 1452
- McNutt, D. P.**
- ; Shivanandan, K.; Daehler, Mark; Feldman, P. D.: Cryogenic infrared grating spectrometer (E), AO 14: 1116
- McPeters, R. D.** See Green, Alex E. S., AO 14: 271
- ; Green, Alex E. S.: Photographic aureole measurements and the validity of aerosol single scattering (ET), AO 15: 2457
- McPhedran, R. C.** See Horwitz, Chris M., JOSA 68: 1023
- McQuoid, A.** See Bates, B., AO 17: 2119
- McSheehy, R. B.** See Sanchez, A., AO 18: 2359
- McSparron, Donald A.** See Bruening, Robert J., JOSA 67: 1412
- McWhirter, J. G.** See Jakeman, E., JOSA 66: 179, JOSA 68: 540, JOSA 68: 1175
- Meaburn, John.** See Johnson, P. G., AO 17: 442
- Direct, quasi-teletentric, and teletentric combinations of interference filters with large astronomical Schmidt cameras (E), AO 17: 1271
- ; Anderson, F.; Harrington, R. F.; Mortleman, J.; Peters, A.: Recording the parallelism of optically contacted Fabry-Perots (E), AO 15: 3006
- Spectrometers working on the same extensive continuum source: an estimation of the relative performances of eight instruments (T), AO 14: 2521
- Versatile nebular insect-eye Fabry-Perot spectrograph (E), AO 14: 465
- Meador, W. E.**
- ; Weaver, W. R.: Diffusion approximation for large absorption in radiative transfer (T), AO 18: 1204
- ; Weaver, W. R.: Improved diffusion approximation to radiative transfer in atmospheres and clouds (A), JOSA 67: 261
- ; Weaver, W. R.: Six-beam models in radiative transfer theory (T), AO 15: 3155
- Measures, Raymond M.**
- ; Drexell, N.; Cardinal, P.: Laser interaction based on resonance saturation (LIBORS): an alternative to inverse bremsstrahlung for coupling laser energy into a plasma (T), AO 18: 1824
- Lasers for hydrographic studies, NASA conference on, Wallops Island, 12 Sep 1973 (M), AO 13: 8
- Lidar equation analysis allowing for target lifetime, laser pulse duration, and detector integration period (T), AO 16: 1092
- Physical constraints associated with the development of a laser based on electrochemiluminescence (T), AO 14: 909
- PROBE: a new technique for measuring the density profile of a specific constituent using counterpropagating laser pulses (T), AO 16: 3016
- Prospects for developing a laser based on electrochemiluminescence (T), AO 13: 1121
- ; Kwong, H. S.: Tablaser: trace (element) analyzer based on laser ablation and selectively excited radiation (E), AO 18: 281
- Mecherikunnel, Ann Thomas**
- ; Richmond, Joseph C.: Data on solar irradiance at ground level (A), JOSA 69: 1400
- Medeiros, J. A.**
- Optical transmission in photoreceptors: implications for SC II effect (A), JOSA 69: 1486



- ; Borwein, B.; McGowan, J. Wm.: Spectroscopic characteristics of small dielectric cones (A), JOSA 67: 1372
- Megusar, R.**
- ; Katiyar, R. S.; Arguello, C. A.; Bellon, F.: Iodine spectrometer for low-shifted light scattering (ET), JOSA 65: 22
- Mehlman, G.** See Ederer, D. L., JOSA 69: 520; Lucatorto, T. B., AO 18: 2916
- Mehta, B. L.**
- Total illumination in an aberration free annular aperture (T) (L), AO 13: 736
- Mehta, J. M.**
- ; Black, W. Z.: Errors associated with interferometric measurement of convective heat transfer coefficients (ET), AO 16: 1720
- Mehta, P. C.** See Katti, P. K., AO 15: 530
- ; Swami, S.; Rampal, V. V.: Compact optical data processor employing holographic reflective lenses (ET), AO 16: 445
- ; Hradaynath, R.: Frequency-modulated zone plate for coherent noise reduction (E), AO 18: 2394
- Multiple-exposure holography: addendum (E) (L), AO 14: 2562
- Multiple-exposure holography (T) (L), AO 13: 1279
- Mehta, R. V.** See Shah, H. S., AO 18: 4173
- ; Desai, R. V.; Vaidya, D. B.; Shah, H. S.: Forward scattering by polydispersed media (A), JOSA 64: 1398
- Mei, K. K.** See Tremain, D. E., JOSA 68: 775
- Meier, R. R.** See Anderson, D. E., Jr., AO 18: 1955
- ; Lee, J.-S.; Anderson, D. E., Jr.: Atmospheric scattering of middle UV radiation from an internal source (T), AO 17: 3216
- Meier, Rudolf H.**
- Controlled generation and absolute calibration of radiant incidence in low-background test facilities for infrared space sensors (ET), AO 14: 1021
- Low-background infrared measurement facility (A), JOSA 68: 1430
- ; Dauger, Alan B.: Low-background large-aperture infrared measurement facility: design considerations (T), AO 17: 3541
- ; Dauger, Alan B.: Low-background large-aperture infrared measurement facility: performance (E), AO 17: 3547
- Spring conference, OSA, Anaheim, 19-21 Mar 1975 (M), AO 14: 1250
- Meier, W. R.** See Maniscalco, James A., JOSA 68: 546
- Meijer, Paul H. E.**
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- Meinel, Aden B.**
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- ; Meinel, Marjorie P.: Sunlight to Energy: Prospects for Solar Energy Conversion by Photovoltaics. By Joseph A. Merrigan (B), JOSA 65: 1527
- Meinel, Marjorie P.** See Meinel, Aden B., JOSA 65: 1527
- Meiri, T.** See Yamada, R., JOSA 67: 96
- Meiron, Josef.** See Brewer, Silas H., JOSA 68: 1452
- Nonimaging optical systems—raytracing and optimization (A), JOSA 69: 1440
- Mejatty, M.** See Piccioli, N., AO 16: 1236
- Mekler, Yu.**
- ; Otterman, J.; Ravnoy, Z.: Irradiance distribution, resolution, and size estimates in diffraction limited imagery of extended circular targets (T), AO 14: 503
- ; Melamed, Myron R. See Bartholdi, Marty, JOSA 67: 1381
- Melchior, H.** See Brackett, C. A., JOSA 66: 391
- Melfi, S.** See Harvey, G. Burton, AO 13: 2416
- ; Eckert, J. A.; Pressman, A. E.: Engineering advances in environmental remote sensing (A), JOSA 66: 386
- Sensing of environmental pollutants, 2nd joint conference on, Washington, 10-12 Dec 1973 (M), AO 13: 701
- Melhuish, W. H.**
- Modified technique for determining the wavelength-sensitivity curve of a spectrofluorimeter (E) (L), AO 14: 26
- Mellorio, John.** See Palmer, David A., JOSA 64: 1297
- Melmed, Allan J.** See Carroll, J. J., JOSA 64: 514, JOSA 66: 1050; Kucirek, Jan, JOSA 65: 611
- Melngailis, I.** See Spears, D. L., JOSA 66: 290
- Semiconductor-based infrared integrated optics (A), JOSA 67: 255
- Melskens, J.** See Andersen, N., AO 13: 1965
- Meltz, G.**
- ; Snitzer, Elias: Modal dispersion in multicore fibers (A), JOSA 69: 1448
- ; Snitzer, Elias: Thermal dependence of cross talk in multicore fibers (A), JOSA 69: 1462
- Meltzer, R. S.** See Godfrey, L. A., AO 18: 602
- ; Wood, R. M.: Nanosecond time-resolved spectroscopy with a pulsed tunable dye laser and single photon time correlation (E), AO 16: 1432
- Melville, R. T.** See Barnoski, M. K., AO 16: 2375
- Mende, S. B.**
- ; Eather, R. H.; Aamodt, E. K.: Instrument for the monochromatic observation of all sky auroral images (E), AO 16: 1691
- ; Chaffee, F. H.: Single electron counting by self-scanning diode array in a Kron camera (E), AO 16: 2698
- ; Shelley, E. G.: Single electron recording by self-scanned diode arrays (E), AO 14: 691
- Mendel, Clifford W., Jr.** See Chang, James, JOSA 68: 547
- ; Goldstein, Steven A.: Electron beam pinching from discrete large-diameter cathodes (A), JOSA 68: 545
- Mendelsohn, A.** See Mansfield, D. K., AO 18: 3717
- Mendelsohn, J.** See Pernick, B. J., JOSA 66: 382, AO 17: 21, AO 17: 43, AO 17: 3205; Wohlers, Martin Ron, AO 17: 35
- Mendes, G. F.** See Arguello, C. A., AO 13: 1731
- Meneely, C. T.**
- ; Edwards, David F.; Rimsay, Robert L.: Diffusion constant measurements of macromolecules in solutions containing particulate components (E), AO 14: 2129
- Menegozzi, Lionel N.** See Lamb, Willis E., Jr., JOSA 68: 638
- Optical Resonance and Two-Level Atoms. By L. Allen and J. H. Eberly (B), JOSA 65: 1388
- Menendez, R.**
- ; Rahmat-Samii, Y.: Electromagnetic radiation, relativity, and anomalous red-shifts: a critique (T) (L), AO 16: 541
- Meng, James C. S.** See Thomson, J. Alex, AO 16: 355
- Menyuk, N.** See Killinger, D., JOSA 69: 1398
- ; Iseler, G. W.: Efficient frequency tripling of CO<sub>2</sub>-laser radiation in tandem CdGeAs<sub>2</sub> crystals (E), OL 4: 55
- Menzel, E. Roland.** See Popovic, Zoran D., JOSA 67: 1441
- Menzies, Robert T.** See Margolis, Jack S., AO 17: 1680; Shumate, Michael S., AO 15: 2480
- ; Shumate, M. S.: Airborne studies of regional ozone distributions with a laser absorption spectrometer (A), JOSA 69: 1398
- ; Shumate, Michael S.: Determination of pollutant altitude profiles with a laser absorption spectrometer (A), JOSA 64: 541
- ; Margolis, Jack S.; Toth, Robert A.; Hinkley, E. David: Measurement of the fundamental vibration—rotation spectrum of ClO (E) (L), AO 16: 523
- ; Shumate, Michael S.: Optoacoustic measurements of water vapor absorption at selected CO laser wavelengths in the 5- $\mu$ m region (E) (L), AO 15: 2025
- Ozone spectroscopy with a CO<sub>2</sub> waveguide laser (E) (L), AO 15: 2597
- ; Chahine, Moustafa T.: Remote atmospheric sensing with an airborne laser absorption spectrometer (TE), AO 13: 2840
- ; Shumate, Michael S.: Remote measurements of ambient air pollutants with a bistatic laser system (E), AO 15: 2080
- Mercado, R. I.** See Stavroudis, Orestes N., JOSA 65: 509
- Modular optical design applied to catadioptric systems (A), JOSA 68: 1451
- ; Stavroudis, Orestes N.: Multimodule optical systems (T), JOSA 65: 1133
- Merchant, V. E.**
- Determination of optical irradiance in nonlinear processes (E), AO 17: 3604
- ; Andrews, M. L.: Rotational temperature of diatomic sulfur in microwave discharges (A), JOSA 69: 1481
- Merdes, Daniel W.**
- Protective coating aids polishing of water-soluble crystals (E) (L), AO 18: 4063
- Meredith, Robert E.** See White, Kenneth O., JOSA 65: 1201, AO 17: 2711
- Mermet, J.-M.** See Blackburn, M. B., AO 18: 1804; Boutilier, G. D., AO 17: 2291, AO 18: 607
- Merrill, B. E.**
- ; Azzam, R. M. A.; Bashara, N. M.: Numerical solution for the evolution of the ellipse of polarization in inhomogeneous anisotropic media (T) (L), JOSA 64: 731
- Merritt, B.** See Ozarski, R. G., JOSA 68: 548
- Mertens, L. E.**
- ; Replogle, Jr., F. S.: Use of point spread and beam spread functions for analysis of imaging systems in water (TE), JOSA 67: 1105
- Mertz, Lawrence N.**
- Concentric spectrographs (TE), AO 16: 3122
- Geometrical design for aspheric reflecting systems (T), AO 18: 4182
- Speckle imaging, photon by photon (T), AO 18: 611
- Wide-angle Mach-Zehnder interferometer for monochromatically selective photography (E) (L), AO 16: 812
- Merz, J. L.** See Tracy, J. C., AO 13: 1695
- ; Logan, R. A.: GaAs double heterostructure lasers fabricated by wet chemical etching (A), JOSA 66: 292
- ; Cho, A. Y.: Low-loss Al<sub>0.3</sub>Ga<sub>0.7</sub>As waveguides grown by molecular-beam epitaxy (A), JOSA 66: 290
- Merzkirch, Wolfgang**
- Generalized analysis of shearing interferometers as applied for gas dynamic studies (TE), AO 13: 409
- Optical interferometry in experimental gasdynamics, European mechanics colloquium 55, Bochum, 25-26 Mar 1974 (M), AO 14: 801
- Merzlyakov, N. S.** See Jaroslavlski, L. P., AO 16: 2034
- Mesman, Wichert.** See Dil, Jan G., JOSA 69: 1419, AO 17: 553
- Mesner, Max H.**
- Scanners and imagery systems for earth observation, SPIE 18th Annual Technical Meeting, San Diego, 19-23 Aug 1974, session 2 (M), AO 13: 2455
- Scanners and imagery systems for earth observation seminar, SPIE, San Diego, 19-23 Aug 1974 (M), AO 14: 7
- Metcalfe, B. D.**
- ; Kleekamp, C. W.: Dual three-rod connector for single fiber optics (E), AO 18: 400
- Metcalfe, Harold J.** See Feldman, Mark, AO 17: 774; Littman, Michael G., AO 17: 2224
- Metheny, W. W.** See Shannon, Robert R., JOSA 68: 539
- Metzbower, E. A.** See Weinman, L. S., AO 17: 906
- Meunier, J. P.**
- ; Pigeon, J.; Massot, J. N.: Commentaires concernant l'elargissement des impulsions dans les fibres optiques (T) (L), AO 18: 1290
- Meuti, M.** See Rosei, R., OL 1: 217
- Mevers, Gus E.** See Fried, David L., AO 13: 2620; Hayes, C. L., JOSA 67: 269
- Meyer, H. C.** See Tanton, G. A., JOSA 65: 1261
- Meyer, Richard A.**
- Light scattering from biological cells: dependence of backscatter radiation on membrane thickness and refractive index (T) (L), AO 18: 585
- Light scattering from red blood cell ghosts: sensitivity of angular dependent structure to membrane thickness and refractive index (T) (L), AO 16: 2036
- Meyer, Robert B.** See Garoff, Stephen, JOSA 68: 1217
- Meyer-Arendt, Jurgen R.**
- A year in the old country (N), AO 15: A60
- Beam and Fiber Optics. By J. A. Arnaud (B), AO 16: 270
- Contemporary Optics for Scientists and Engineers. By A. Nussbaum and R. A. Phillips (B), AO 15: 1892
- Digital Image Restoration. By H. C. Andrews and B. R. Hunt (B), AO 17: 158
- Einfuehrung in die Farbmatrik. Von Manfred Richter (B), AO 16: 7
- Fundamentals of Optical Fiber Communications. Edited by Michael K. Barnoski (B), AO 15: 2601
- Interferometrie in Radioastronomie und Radartechnik. By R. Wohlleben und H. Mattes (B), JOSA 64: 112
- Laser Art and Optical Transforms. By T. Kallard (B), AO 18: 2745



- Lichtmesstechnik.** By E. Helbig (B), AO 16: 3064
- ; Appelt, Heinz: Microscopic color schlieren system using a wedge-type interference filter (E) (L), AO 15: 2017
- Northwest Optical Society, Mt. Hood, 8 Dec 1978 (M), AO 18: 582
- Optical Communications. By R. M. Gagliardi and S. Karp (B), AO 15: 2941
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- Meyers, P. V. See Emkey, W. L., JOSA 66: 264
- Meyruis, P. See Grossmann, M., JOSA 66: 1085
- Meystre, P. See Baltes, H. P., JOSA 65: 1198; Moore, Gerald T., JOSA 68: 1387; Scully, Marlan O., JOSA 66: 1109
- Theory of the free-electron laser (A), JOSA 68: 628
- Meyzonnette, Jean Louis**  
L'acousto-optique. Par J. Sapriel (B), JOSA 68: 1648
- Mezrich, R.**  
—; Vilkomerson, David; Etzold, K.: Ultrasonic waves: their interferometric measurement and display (E), AO 15: 1499
- Michaelian, Kirk.** See Moskovits, Martin, AO 16: 2044
- Michaelson, J.** See Armand, A., JOSA 68: 1361
- Miche, P.** See Helbert, J. M., AO 16: 2119
- Michel, Guy.** See Connes, Pierre, AO 14: 2067
- Michels, Donald J.** See Hunter, W. R., JOSA 67: 1378
- ; Tilford, Shelby G.: Analysis of autoionization resonance profiles in the emission spectrum of multiply ionized nitrogen (A), JOSA 64: 529
- Change of blaze wavelength as a function of position on the surface of a concave grating (TE), JOSA 64: 662
- Extreme-ultraviolet spectrum of N III (ET), JOSA 64: 1164
- ; Mikes, Thomas L.; Hunter, W. R.: Optical grating evaluator: a device for detailed measurement of diffraction grating efficiencies in the vacuum ultraviolet (E), AO 13: 1223
- Micheron, F.** See Huguier, J. P., JOSA 66: 389
- ; Mayeux, C.; Trotier, J. C.: Electrical control in photoferroelectric materials for optical storage (E), AO 13: 784
- Michl, W.** See Werner, Ch., JOSA 66: 386
- Mielenz, Klaus D.** See Cehelnik, Edwin D., AO 15: 2259
- Aberrations of ellipsoidal reflectors for unit magnification (T), AO 13: 2931
- Archimedes's burning glass (L), AO 13: 2A14
- ; Eckert, K. L.: Averaging spheres without target (E), AO 14: 1649
- Beam-splitter and cell-window errors in fluorescence spectrometry (ET), AO 18: 4134
- ; Mavrodineanu, Radu; Cehelnik, Edwin D.: Efficient averaging spheres for visible and ultraviolet wavelengths (ET), AO 14: 1940
- Refraction correction for fluorescence spectra of aqueous solutions (E) (L), AO 17: 2875
- Spherically corrected reflecting objective for unit magnification (T), AO 13: 2580
- Mihailescu, I. N.** See Nistor, L. C., AO 18: 3517
- Mihara, S.** See Yokozeki, Shunsuke, AO 18: 1275
- Miida, Sumio.** See Ueda, Mitsuhiro, AO 15: 2630
- Mikami, Osamu.** See Noda, Juichi, AO 17: 2092; Uchida, Naoya, AO 15: 455
- Mikes, Thomas L.** See Michels, Donald J., AO 13: 1378
- Maximum efficiency of ruled concave diffraction gratings in the ultraviolet (A), JOSA 64: 1371
- Mikkelsen, J. C.** See Kildal, Helge, JOSA 67: 285
- Mikoshiba, Koichi.** See Tanaka, Toshiki P., AO 16: 2391
- ; Kajioka, H.: Transmission characteristics of multimode W-type optical fiber: experimental study of the effect of the intermediate layer (ET), AO 17: 2836
- Milam, D.** See Martin, W. E., AO 15: 3054; Picard, R. H., JOSA 66: 1119, AO 16: 1563; Weber, Marvin J., JOSA 68: 542
- Laser-induced damage at 1064 nm, 125 psec (E), AO 16: 1204
- ; Murphy, G.: Multiple-beam apparatus for rapid large-spot laser-damage measurements (A), JOSA 66: 384
- ; Weber, Marvin J.: Time-resolved interferometric technique and measurements of the nonlinear refractive index of laser materials (A), JOSA 66: 388
- Milano, R. A.** See Anderson, W. A., AO 15: 1621
- Miles, Perry A.**  
Extrinsic absorption spectra in zinc selenide (A), JOSA 69: 1472
- ; Donadio, Robert N.; Newberg, Richard T.: High-transparency infrared materials (A), JOSA 65: 1169
- Static profile calorimetry of laser materials (T), AO 16: 2897
- Temperature dependence of multiphonon absorption in zinc selenide (A), JOSA 67: 253
- Temperature dependence of multiphonon absorption in zinc selenide (ET), AO 16: 2891
- Miles, R. O.**  
—; Grow, R. W.: Distributed feedback CO<sub>2</sub> laser (A), JOSA 66: 292
- Milham, Merrill E.** See Carlon, Hugh R., AO 15: 2454, AO 16: 1598
- Milkman, Norman.** See Ratliff, Floyd, JOSA 69: 1444
- Millan, Millan M.**  
—; Hoff, Raymond M.: Dispersive correlation spectroscopy: a study of mask optimization procedures (TE), AO 16: 1609
- Millar, C. A.** See Stewart, G., JOSA 66: 292
- Miller, Arild J.**  
Quantum Electronic Materials. By N. G. Ryabtsev (B), AO 14: 1237
- Miller, Arthur.** See Hammer, J. M., JOSA 66: 292
- ; Duffy, Michael T.: Orientation of crystals by extinction between crossed linear polarizers (ET) (L), AO 14: 809
- Miller, Calvin M.**  
—; Schroeder, C. M.: Fiber optic array splicing (A), JOSA 66: 391
- Optical fiber splicing (A), JOSA 67: 708
- Miller, D. A. B.** See Weaire, D., OL 4: 331
- ; Smith, S. D.: Variable attenuator for Gaussian laser beams (TE), AO 17: 3840
- Miller, D. J.**  
—; Betts, J. A.: Chemical production of NF ( $\alpha^1\Delta$ ) and ( $b^1\Sigma$ ) excited states in a supersonic cw laser device (A), JOSA 68: 654
- Miller, David**  
Human Lens in Relation to Cataract. By A. Pirie (B), AO 14: 791
- Miller, El Roy**  
—; Barrett, Harrison H.: Aperture coding with a rotating slit (A), JOSA 66: 1110
- Miller, George E.**  
—; Jackson, W. M.; Halpern, J. B.: Laser detection of photochemical fragments produced by a tunable vacuum ultraviolet flash lamp (A), JOSA 68: 641
- ; Halpern, J. B.; Jackson, W. M.: Tunable VUV photofragment monochromator (E), AO 17: 2821
- Miller, Glenn E.**  
—; Ross, John S.: Isotope shifts in the arc spectra of dysprosium, erbium, and ytterbium (ET), JOSA 66: 585
- Miller, J. R.** See Bongianini, W. L., JOSA 68: 545; Cranfill, B., JOSA 68: 550; Jain, S. C., AO 15: 886, AO 16: 202
- ; Day, R. D.; Farnum, E. H.; Hansen, W. G.; Tucker, H. E.; Teasdale, W. A.: Laser fusion target positioning (A), JOSA 68: 550
- Miller, John R.**  
—; Sollid, Jon E.: Interferometric measurement of cyrogenic laser fusion target uniformity (L), AO 17: 852
- Miller, Lee D.** See Pearson, Robert L., AO 15: 416
- Miller, M. G.** See Schneiderman, Arthur M., JOSA 65: 1287
- Fundamental limitations of stellar speckle interferometry (A), JOSA 66: 181
- ; Zieske, P. L.: Measurement of the atmospheric correlation scale (A), JOSA 66: 1067
- ; Zieske, P. L.: Measurement of the atmospheric correlation scale (E), JOSA 67: 1680
- Noise considerations in stellar speckle interferometry (T), JOSA 67: 1176
- ; Korff, David: Resolution of partially coherent objects by use of speckle interferometry (T), JOSA 64: 155
- ; Schneiderman, Arthur M.; Kellen, P. F.: Second-order statistics of laser-speckle patterns (T), JOSA 65: 779
- ; Kellen, P. F.; Schneiderman, Arthur M.: Second-order statistics of laser-speckle patterns (T) (errata), JOSA 66: 79
- Miller, Myron H.** See Roig, Randy A., JOSA 64: 1479
- Miller, P. A.**  
—; Baker, Louis; Freeman, J. R.; Mix, L. P.; Poukey, J. W.; Wright, T. P.: REB pinching, transport, and combination in plasma channels for ICF (A), JOSA 68: 545
- Miller, R.**  
—; Begley, D. L.; Bell, Robert J.: Surface electromagnetic wave coupling efficiency dependence on prism gap height (E) (L), AO 16: 3077
- Miller, R. E.** See Gough, T. E., JOSA 67: 1440, JOSA 68: 625, JOSA 68: 694
- Miller, Robert A.** See Harrison, Douglas H., JOSA 66: 163
- Miller, Robert H.**  
Optical thin-film calculations using the HP-65 programmable pocket calculator (A), JOSA 66: 160
- Miller, Stanley C.** See Ashby, Neil, JOSA 67: 448
- Miller, T. A.** See Rosenbluh, M., JOSA 68: 1631
- Miller, T. G.**  
—; Polk, R. G.; Gibson, F. P.; Wallace, James: Stagnation-zones experiment (A), JOSA 65: 1191
- Miller, Theodore L.** See Parr, Philip C., JOSA 69: 1405
- Phase transmission in multimode waveguides (A), JOSA 69: 1459
- Thermally induced errors in diffractive beam sampling (A), JOSA 69: 1405
- Miller, W. J.** See Nolen, R. L., Jr., JOSA 68: 544
- Miller, William H.** See Snyder, Allan W., JOSA 67: 696
- Milligan, J. E.** See Underwood, J. H., AO 16: 858
- Millodot, Michel.** See Sivak, J. G., JOSA 67: 1389, JOSA 64: 1724
- ; Lamont, Anne: Refraction of the periphery of the eye (E) (L), JOSA 64: 110
- Mills, D. L.**  
Light Scattering by Phonon-Polaritons. By R. Claus, L. Merten, and J. Brandmuller (B), AO 15: 1667
- Mills, D. R.**  
—; Giutronic, J. E.: Symmetrical and asymmetrical ideal cylindrical radiation transformers and concentrators (T), JOSA 69: 325
- Mills, Frank S.**  
—; Long, Ronald K.: Hydrogen deuterium oxide absorption measurements using a single frequency DF laser (A), JOSA 64: 1391
- ; Long, Ronald K.: Nitrous oxide absorption measurements using a single-frequency DF laser (A), JOSA 64: 541
- ; Long, Ronald K.: Water continuum absorption measurements using a single-frequency DF laser (A), JOSA 65: 1201
- ; Long, Ronald K.: Water-vapor absorption line parameter measurements using laser spectroscopy (A), JOSA 65: 1164
- Milne, E. A.** See Crittenden, Eugene C., Jr., JOSA 68: 539
- Milonni, P. W.**  
Criteria for the thin-sheet gain approximation (T) (L), AO 16: 2794
- Milton, A. F.** See Burns, W. K., JOSA 66: 288, AO 15: 1053; Hsu, H. P., JOSA 66: 289, AO 15: 2310; Sheem, Sang K., OL 3: 76; Takken, E. H., AO 18: 4210
- ; Lee, A. B.: Optical access couplers and a comparison of multimaterial fiber communication systems (TE), AO 15: 244
- ; Burns, W. K.: Tapered velocity couplers for integrated optics: design (T), AO 14: 1207
- Milward, R. C.**  
Recent developments in commercial Fourier transform systems for the mid-infrared (A), JOSA 64: 1367



- Mima, K.** See Tajima, T., JOSA 68: 549
- Minafra, A.** See Catalano, I. M., JOSA 68: 681
- Minai, Y.** See Maeda, Minoru, AO 17: 651
- Minakata, Makoto.** See Noda, Juichi, AO 17: 2092, JOSA 68: 1690
- Minami, S.** See Wungkobkhat, S., AO 18: 2950
- Minden, Henry T.**  
Ellipsometric determination of the Kerr magneto-optical effect (A), JOSA 68: 1424  
Ellipsometric measurement of the Kerr magneto-optic effect (E), AO 18: 813
- Minnhagen, Lennart**  
 $2p^3s$ ,  $3p$ ,  $3d$ ,  $4s$ , and  $4d$  configurations of triply ionized sodium, Na IV (E), JOSA 66: 659
- Minogin, V. G.** See Letokhov, Vladilen S., JOSA 68: 1632, JOSA 69: 413
- Minot, Michael Jay**  
Angular reflectance of single-layer gradient refractive-index films (E), JOSA 67: 1046  
Single layer, gradient refractive index antireflection films—effective 0.35–2.5  $\mu$  (A), JOSA 66: 634  
Single-layer, gradient refractive index antireflection films effective from 0.35 to 2.5  $\mu$  (E), JOSA 66: 515
- Minott, Peter O.** See Fitzmaurice, Michael W., JOSA 66: 1096  
Design of retrodirector arrays for laser ranging of satellites (A), JOSA 64: 531
- ; Fitzmaurice, Michael W.: Prelaunch testing of the laser geodynamic satellite (LAGEOS); target cross section (A), JOSA 66: 1095
- ; Bufton, Jack L.; Schaeffer, W. H.; Grolemond, D. A.: Vertical laser-beam propagation through the troposphere (A), JOSA 64: 540
- Minowa, Jun-ichiro.** See Aoyama, Koh-ichi, AO 18: 1253, AO 18: 2834
- Mintz, G. D.**  
—; Morland, D. K.; Boerner, Wolfgang-M.: Holographic simulation of parabolic mirrors (E) (L), AO 14: 564
- Mirabito, Anthony F.** See Cronin, David J., JOSA 65: 1210
- Miranda, Henry A., Jr.**  
—; Dearborn, Frank K.: Altitude profiles of atmospheric aerosols obtained with the epsilon/AFGL balloon-borne sizing spectrometer (A), JOSA 67: 256
- Mirels, H.** See Ellinwood, J. W., AO 14: 2238
- Miron, E.** See Lavi, S., AO 18: 525
- ; David, R.; Erez, G.; Lavi, S.; Levin, L. A.: Laser spectroscopy of U I using stepwise excitation and fluorescence detection (E), JOSA 69: 256
- Mironov, V. L.** See Aksenov, V. P., OL 3: 184, JOSA 69: 1609; Banakh, V. A., OL 1: 172, OL 4: 259, JOSA 64: 516
- ; Nosov, V. V.: Theory of spatially limited light beam displacements in a randomly inhomogeneous medium (T), JOSA 67: 1073
- Mirza, M. Y.** See Bruce, D. M., JOSA 69: 1407; Young, W. A., JOSA 69: 1410
- ; Duley, W. W.: Multiphoton spectroscopy of highly excited states in Ti (A), JOSA 67: 1417
- Misawa, K.** See Takeuchi, I., AO 18: 3805
- Mishin, V. A.** See Karlov, N. V., JOSA 68: 686, AO 17: 856
- Mishin, V. I.** See Bekov, G. L., OL 3: 159
- Mishina, H.**  
—; Vlachos, N. S.; Whitelaw, J. H.: Effect of wall scattering on SNR in laser Doppler anemometry (T), AO 18: 2480
- ; Koyama, T.; Asakura, Toshimitsu: Velocity measurements of blood flow in the capillary and vein using a laser Doppler microscope (E) (L), AO 14: 2326
- Mitchel, G. R.**  
—; Gek, B.; Johnston, T. W.; Martin, F.; Pepin, H.: Nanosecond photography at 10.6  $\mu$ m using silver halide film (E), AO 18: 2422
- Mitchell, D. J.** See Pask, Colin, JOSA 65: 356; Snyder, Allan W., JOSA 64: 599, JOSA 64: 608, JOSA 64: 956
- Mitchell, Gordon L.** See Polky, John N., JOSA 64: 274
- ; Harris, Jay H.: Absorption spectroscopy of scattering samples using integrated optics (A), JOSA 66: 291
- Integrated Optics. Edited by Dietrich Marcuse (B), JOSA 64: 1023
- ; Dalgoutte, David G.: Semiconductor laser to integrated optics coupling using transition waveguides (A), JOSA 66: 289
- Mitchell, Kenneth B.** See van Hulsteyn, David B., OL 4: 126
- ; Weiss, Paul B.: Spectrum of back-scattered 10- $\mu$ m light from laser-induced plasmas (A), JOSA 64: 535
- ; van Hulsteyn, David B.; Lee, Ping: X-ray spectroscopy of plasmas from glass microspheres irradiated with 10  $\mu$ m laser light (A), JOSA 68: 547
- Mitchell, O. R.**  
Effect of spatial frequency on the visibility of unstructured patterns (E), JOSA 66: 327
- Mitchiner, J. L.**  
—; Varnado, S. G.: Parametric analysis of a relativistic electron beam fusion reactor (A), JOSA 68: 546
- Mitra, S. S.**  
—; Narducci, Lorenzo M.; Shatas, R. A.; Tsay, Yet-Ful; Vaidyanathan, A.: Nonlinear absorption in direct-gap semiconductors (T), AO 14: 3038
- Optical properties of highly transparent solids, an international conference, Waterville Valley, New Hampshire, 3-5 Feb 1975 (M), AO 14: 1473
- Mitra, Shashanka S.** See Bendow, Bernard, AO 13: 2382, AO 16: 2805; Martin, J. J., JOSA 67: 253
- Raman scattering by solids: study of phase transitions (A), JOSA 66: 1100
- Mitrovich, Dushan**  
Classical calculation of inverse bremsstrahlung for intense fields (A), JOSA 68: 544
- Mitsubashi, Y.** See Nakajima, M., AO 15: 1030, AO 17: 922; Yasuhira, T., AO 16: 2532
- ; Sahara, M.; Klada, N.; Nakajima, M.; Morikawa, T.: Computer-generated polarization holograms. 2: Experimental verification (E) (L), AO 16: 1138
- Mittra, Raj.** See Demetropoulos, T. H., AO 13: 665; Mostafavi, M., AO 14: 2190
- ; Singleton, Russell M.; Ransom, Preston L.: Image reconstruction of multiplane gamma-ray sources recorded with a Fresnel zone plate aperture (A), JOSA 66: 168
- Mix, L. P.** See Miller, P. A., JOSA 68: 545
- ; Perry, F. C.; Toepfer, A. J.: Measurements of material response and implosion dynamics of ICF targets (A), JOSA 68: 549
- Miya, T.** See Horiguchi, M., AO 18: 2223
- Miyagi, Mitsunobu.** See Kawakami, Shojiro, AO 14: 2588, AO 15: 1681
- ; Nishida, Shigeo: Approximate formula for describing dispersion properties of optical dielectric slab and fiber waveguides (T), JOSA 69: 291
- ; Nishida, Shigeo: Bending losses of dielectric rectangular waveguides for integrated optics (T), JOSA 68: 316
- ; Yip, Gar Lam: Excitation and splicing of the single-mode W fiber (A), JOSA 67: 1372
- ; Nishida, Shigeo: Further discussions of approximate formulas describing dispersion properties of dielectric optical waveguides (T), JOSA 69: 1373
- ; Kawakami, Shojiro; Ohashi, Masaharu; Nishida, Shigeo: Measurement of mode conversion coefficients and mode dependent losses in a multimode fiber (ET), AO 17: 3238
- ; Nishida, Shigeo: Pulse spreading in a single-mode fiber due to third-order dispersion (T), AO 18: 678
- ; Nishida, Shigeo: Pulse spreading in a single-mode optical fiber due to third-order dispersion: effect of optical source bandwidth (T), AO 18: 2237
- Miyaji, K.** See Takahashi, Hidetoshi, OL 4: 24
- Miyake, Kiyohide**  
Correction for errors in optical pulsed range measurements (ET), AO 14: 752
- Optical pulsed ranging: method for improving measurement accuracy (T) (L), AO 15: 1684
- Optical pulsed ranging: method for improving measurement accuracy; author's reply to comment (T) (L), AO 16: 2793
- Miyana, N.** See Yamanaka, C., JOSA 68: 543
- Miyashita, Tadashi.** See Katsuyama, Yutaka, AO 18: 2232; Kawana, Akio, OL 2: 106; Kimura, Tatsuya, AO 17: 2420; Kobayashi, S., AO 14: 2817
- Miyauchi, E.** See Daido, Y., AO 18: 2207
- Miyazawa, Shintaro.** See Kubodera, Kenichi, AO 18: 884
- Miyazoe, Yasushi.** See Maeda, Minoru, AO 16: 403; Maeda, Mitsuo, JOSA 68: 667
- Mizorov, M. N.** See Aiferov, Zh. I., JOSA 66: 1058
- Mizumoto, Y.** See Kato, Yoshiaki, JOSA 68: 542
- Mizuno, H.** See Matsuda, A., AO 13: 1992
- Mizuno, Takashi**  
—; Hattori, Shuzo; Tawata, Masahiro: Index and surface simultaneous modulation in negative photoresist films (E), JOSA 67: 1651
- Mizusawa, Kiyoe**  
Cerebral hemispheric specialization as functions of the magnitude of optical illusion (A), JOSA 68: 1365
- Comparative studies between the dominant eye and cerebral hemispheric specialization (A), JOSA 69: 1478
- Depth perception produced by stereoptic apparent movement (A), JOSA 64: 1385
- ; Lukaszewski, David A.: Movement perception produced without actual target displacement (A), JOSA 65: 1185
- Optical illusion as a function of cerebral hemispheric specialization (A), JOSA 67: 1427
- Quantitative analyses of stereopsis by binocular delay (A), JOSA 66: 1090
- Mizushima, Yoshihiko.** See Torii, Yasuhiro, JOSA 68: 1716; Urisu, Tsuneo, AO 17: 2366
- Mlynec, J.** See Lange, W., JOSA 68: 1637
- Mobbs, S. D.**  
Theory of the rainbow (T), JOSA 69: 1089
- Mochida, Haruhiko.** See Nishisaka, Tsuyoshi, JOSA 68: 1382
- Mochizuki, Satoshi.** See Katsuyama, Yutaka, AO 18: 2232
- Mochizuki, T.**  
—; Yamanaka, Masanobu; Morikawa, M.; Yamanaka, C.: High power 12.08  $\mu$ m NH<sub>3</sub> laser (A), JOSA 68: 672
- Mocker, Hans W.** See Munoz, Robert M., AO 13: 2890
- ; Chow, C. N.: Pulsed and Doppler CO<sub>2</sub>-laser radar (A), JOSA 66: 380
- Modestino, J. W.**  
—; Fries, R. W.; Daut, D. G.: Generalization of the two-dimensional random checkerboard process (T), JOSA 69: 897
- Modine, F. A.**  
—; Major, R. W.; Sonder, E.: High frequency polarization modulation method for measuring birefringence (E), AO 14: 757
- ; Major, R. W.: High frequency polarization modulation method for measuring optical rotation (E), AO 14: 761
- Moe, G. W.** See Bulos, B. R., JOSA 68: 842
- Moe, Olav Kjeldseth**  
Absolute calibrated solar UV intensities 1700 to 2100 Å (A), JOSA 64: 1375
- Moekel, P. G.**  
Properties of an epitaxially grown YAG:Nd<sup>3+</sup> waveguide laser (A), JOSA 66: 288
- Moeller, C. E.** See Beverly, R. E., III, AO 16: 1572
- Moeller, H.** See Real, R. R., AO 13: 2253
- Moeller, K. D.** See Kachmarsky, J., AO 15: 708
- Mog, Dennis D.**  
Solar energy: older than the earth itself (L), AO 14: A158
- Mohan, Kshitij**  
—; James, Robert H.: High accuracy laser power measurements: a scale comparison (E), AO 18: 1937
- ; Schaefer, A. Russell; Zalewski, Edward F.: Measurement of geometrically total spectral flux (A), JOSA 64: 1405
- ; Schaefer, A. Russell; Zalewski, Edward F.: Measurement of geometrically total spectral radiant power (ET), AO 14: 1035
- Moharam, M. G.** See Magnusson, R., JOSA 69: 1416
- ; Young, L.: Criterion for Bragg and Raman-Nath diffraction regimes (T), AO 17: 1757
- ; Gaylord, T. K.; Magnusson, R.: Diffraction characteristics of crossed-beam gratings (A), JOSA 69: 1483
- ; Young, L.: Reading and optical erasure of holograms stored by the photorefractive effect in lithium niobate, AO 17: 2773
- Mohon, Neil**  
Evaluation of a dual-axis holographic lens (A), JOSA 64: 1381
- Florida Section, fall meeting, University of Miami, 4 Dec 1976 (M), AO 16: 533
- Florida Section, winter meeting Brevard Community College, 29 Jan 1977 (M), AO 16: 1121
- ; Oharek, Frank J.: Interferometric testing, optical alignment, and system performance of a unique twelve channel 360° visual display (A), JOSA 68: 1416
- Optical fabrication and testing workshop, Orlando, 17-18 February 1978 (M), AO 17: 1638



- OSA Florida Section, spring meeting, Florida Technological University, 1 May 1976 (M), AO 15: 1884
- OSA Florida Section, spring meeting, 7 May 1977 (M), AO 16: 2024
- OSA Florida section, winter meeting, University of Miami, 24 Jan 1976 (M), AO 15: 1103
- Techniques for making cylindrical holograms for target recognition training (A), JOSA 66: 1062
- Mohr, F. See Born, G. K., AO 14: 2857
- Mohr, Robert K. See Simmons, Joseph H., AO 18: 2732
- Molander, W. A.
- ; Stroud, Carlos R., Jr.: Multilevel superfluorescence: small sample theory (A), JOSA 69: 1410
- Molesini, Giuseppe. See Arecchi, F. T., JOSA 68: 1391, AO 18: 1247; Ronchi, Lucia, JOSA 64: 887
- Mollenauer, L. F. See Bjorklund, Gary C., JOSA 66: 292; Bloom, David M., OL 4: 297; Tomlinson, W. J., AO 16: 1806
- ; DelGaudio, A. M.; Bloom, David M.: Broadly tunable cw lasers using  $F_2^+$  centers for the 1.26–1.48 and 0.82–1.07  $\mu\text{m}$  bands (E), OL 3: 48
- Broadly tunable lasers for the 0.8–2  $\mu\text{m}$  region using ionized color centers (A), JOSA 68: 636
- ; Bjorklund, Gary C.; Tomlinson, W. J.: Broadly tunable lasers for the near infrared (A), JOSA 66: 1109
- ; Bloom, David M.: Color-center laser generates picosecond pulses and several watts cw over the 1.24–1.45- $\mu\text{m}$  range (E), OL 4: 247
- Dye-like lasers for the 0.9–2- $\mu\text{m}$  region using  $F_2^+$  centers in alkali halides (E), OL 1: 164
- ; Tomlinson, W. J.: Piecewise interferometric generation of precision gratings (A), JOSA 66: 1115
- ; Tomlinson, W. J.: Piecewise interferometric generation of precision gratings (TE), AO 16: 555
- Mollow, B. R.
- Saturated resonant light scattering (A), JOSA 67: 1398
- Mon, K. K.
- ; Sievers, A. J.: Plexiglas: a convenient transmission filter for the FIR spectral region (T) (L), AO 14: 1054
- Monahan, M. A. See Stotts, L. B., AO 13: 1752
- Monchalín, J.-P. See Gagne, Jean-Marie, JOSA 65: 876
- ; Kelly, M. J.; Thomas, J. E.; Kurnit, N. A.; Szoke, A.; Javan, Ali; Zernike, Frits; Lee, P. H.: Determination of the speed of light by absolute wavelength measurement of the  $R(14)$  line of the  $\text{CO}_2$  9.4- $\mu\text{m}$  band and the known frequency of this line (E), OL 1: 5
- ; Kelly, M. J.; Thomas, J. E.; Kurnit, N. A.; Szoke, A.; Javan, Ali; Zernike, Frits; Lee, P. H.: Determination of the speed of light by absolute wavelength measurement of the  $R(14)$  line of the  $\text{CO}_2$  9.4- $\mu\text{m}$  band and the known frequency of this line (errata), OL 1: 140
- Moncur, N. Kent. See Brueckner, Keith A., AO 13: 2183
- ; Guscott, B. R.; Hildum, J. S.: KMSF laser subscutons (A), JOSA 66: 390
- Plasma spatial filter (E) (L), AO 16: 1449
- Mondal, P. K.
- Fraunhofer diffraction due to an elliptic annulus (T) (L), JOSA 65: 1154
- Nomenclature of an image forming system (L), AO 14: 2319
- Mongan, C. E. See Mamon, Glenn, AO 17: 868
- Mongeau, B. See Gagne, Jean-Marie, AO 17: 2507, AO 18: 1084, AO 18: 2107
- Mongeon, Robert J.
- Applications of frequency spectra measurements to metrology (A), JOSA 66: 1129
- Monnier, Michael J. See Maniscalco, James A., JOSA 68: 546
- ; Maniscalco, James A.: Concepts for final optics for laser fusion power plants (A), JOSA 68: 546
- ; Haas, Roger A.; Schlitt, Leland G.; Franklin, R. D.; Ewing, J. J.; Werner, C. W.; Morgan, W. L.: Laser system design considerations for laser fusion power plants (A), JOSA 68: 546
- Montagnino, Lucian A.
- ; Offner, Abe: Setup and procedure for mapping changes in a large aspheric mirror (A), JOSA 68: 1417
- Montgomery, D. Bruce
- Superconducting Electron-Optic Devices. By I. Dietrich (B), AO 16: 2779
- Montgomery, G. Paul, Jr. See Hill, John C., AO 15: 748
- ; Majkowski, Richard F.: Diode-laser spectroscopy of foreign-gas-broadened sulfuric acid ( $\text{H}_2\text{SO}_4$ ) vapor (A), JOSA 67: 1440
- ; Majkowski, Richard F.: Diode laser spectroscopy of foreign-gas-broadened sulfuric acid ( $\text{H}_2\text{SO}_4$ ) vapor (E) (L), AO 17: 173
- ; Hill, John C.: High-resolution diode-laser spectroscopy of the 949.2  $\text{cm}^{-1}$  band of ethylene, JOSA 65: 579
- Off-state transmission of a twisted nematic liquid-crystal layer. Some comments (T) (L), JOSA 69: 913
- Optical properties of a liquid-crystal image transducer at normal incidence. I. Mathematical analysis and application to the off-state (A), JOSA 69: 1484
- Optical properties of a liquid-crystal image transducer at normal incidence. II. The on-state (A), JOSA 69: 1484
- Temperature dependence of infrared absorption by the water vapor continuum near 1200  $\text{cm}^{-1}$  (A), JOSA 67: 1441
- Temperature dependence of infrared absorption by the water vapor continuum near 1200  $\text{cm}^{-1}$  (E), AO 17: 2299
- Montgomery, M. D. See Schappert, G. T., JOSA 68: 668
- ; Jolly, E. L.; Ladish, J. S.; Sutton, J. G.; Thomason, M. D.; Nowak, A. V.; Zimmerman, Eugene L.: Stabilization of high-gain multipass power amplifiers using saturable absorbers: experience of the LASL eight-beam system (A), JOSA 68: 543
- ; Carlson, R. L.; Casperson, D. E.; Czuchlewski, S. J.; Figueira, J. F.; Haglund, R. F., Jr.: Stabilization of high-gain multipass power amplifiers using saturable absorbers: experience of the LASL eight-beam system (A), JOSA 68: 543
- Montgomery, Robert M. See Yao, S. K., AO 18: 446
- Acoustical-optical devices for laser-beam modulation (A), JOSA 66: 385
- Montgomery, W. Duane
- Diffraction by perfectly conducting plane screens (A), JOSA 67: 1437
- Null curves in diffraction patterns (T), AO 16: 2451
- Phase retrieval and the polarization identity (T), OL 2: 120
- Sampling in imaging systems, JOSA 65: 700
- Moon, H. T. See Findakly, Talal, JOSA 68: 1372, OL 4: 149
- Mooney, C. Frank
- Introduction to Interferometry, 2nd Edition. By Samuel Tolansky (B), JOSA 64: 112
- Mooradian, A. See Moulton, Peter F., JOSA 68: 630, JOSA 68: 1632, OL 1: 51, OL 3: 164
- Mooradian, Gregory C.
- ; Geller, Myer; Krautwald, R.; Stephens, D. H.: Atmospheric scatter channel for optical communications over the horizon (A), JOSA 68: 541
- ; Geller, Myer; Stotts, L. B.; Stephens, D. H.; Krautwald, R. A.: Blue-green pulsed propagation through fog (ET), AO 18: 429
- ; Giannaris, R. J.: Carbon dioxide coherent propagation through the marine boundary layer (A), JOSA 68: 541
- ; Geller, Myer; Barstow, Glidden J.; Davies, Kirk E.: Extended line-of-sight optical communications (A), JOSA 66: 389
- Moore, B.
- ; Seifer, D.: Low-voltage  $\text{TE-CO}_2$  laser (A), JOSA 64: 1360
- Moore, C. Bradley. See Kung, A. H., JOSA 68: 639
- Moore, Carey. See Latimer, Paul, AO 17: 3152
- Moore, Charlotte E. See Feldman, Uri, JOSA 66: 853
- Atomic Energy Levels and Grottrian Diagrams. Volume 2: Sulfur I-Titanium XXII. By Stanley Bashkin and John O. Stoner, Jr. (B), AO 18: 752
- Atomic Energy Levels and Grottrian Diagrams. Volume 1: Hydrogen I-Phosphorus XV. By Stanley Bashkin and John O. Stoner, Jr. (B), JOSA 66: 869
- Moore, Donald J. See Dickey, Fred M., AO 18: 1679
- Moore, Duncan T. See Bohache, James J., JOSA 67: 1378; Boyd, Robert W., JOSA 68: 1406, AO 18: 2013; Chen, Gih-Hong, JOSA 67: 1378, AO 18: 559; Fantone, Stephen D., JOSA 66: 1119, JOSA 66: 1119, JOSA 67: 1428, JOSA 68: 1396; Gregorka, Lisa, JOSA 67: 1442; Johnson, Glen W., JOSA 67: 1373; McLaughlin, Paul O., JOSA 67: 1386
- ; Truax, Bruce E.: ac moiré fringe analysis (A), JOSA 67: 1365
- ; Truax, Bruce E.: Automated surface contouring using phase-locked moiré fringe analysis (A), JOSA 68: 1415
- Catadioptric system with a gradient-index corrector plate (T), JOSA 67: 1143
- Design of single element gradient-index collimator (T), JOSA 67: 1137
- ; Hensler, J. Raymond: Fabrication and testing of gradient-index components (A), JOSA 64: 1376
- ; Murray, Richard P.; Neves, Fernando B.: Interpretation of gain experiments at 58 Å (A), JOSA 67: 1385
- ; Murray, Richard P.; Neves, Fernando B.: Large aperture ac interferometer for optical testing (E), AO 17: 3959
- ; Ryan, Danette P.: Measurement of the optical properties of gradient index materials (E), JOSA 68: 1157
- ; Truax, Bruce E.: Phase-locked moiré fringe analysis for automated contouring of diffuse surfaces (E), AO 18: 91
- ; Eastman, Jay M.: Practical aspects of ac moiré-fringe interferometry (A), JOSA 64: 1369
- Ray tracing in gradient-index media, JOSA 65: 451
- Ray tracing in tilted, decentered, displaced gradient-index optical systems (T), JOSA 66: 789
- Moore, Elliott P. See Colgate, Stirling A., AO 14: 1429
- Moore, G. F. See Bender, M. L., AO 13: 2623
- Moore, Gerald T.
- ; Scully, Marlan O.; Hopf, Frederic A.: Echo effects in the free-electron laser (A), JOSA 68: 628
- ; Scully, Marlan O.; Hopf, Frederic A.; Meystre, P.: Echoes, pulses, lethargy, and coherent transients in the free-electron laser (A), JOSA 68: 1387
- ; McCarthy, Robert J.: Lasers with unstable resonators in the geometrical optics limit (A), JOSA 66: 1132
- ; McCarthy, Robert J.: Lasers with unstable resonators in the geometrical optics limit (T), JOSA 67: 221
- ; McCarthy, Robert J.: Theory of modes in a loaded strip confocal unstable resonator (A), JOSA 66: 1132
- ; McCarthy, Robert J.: Theory of modes in a loaded strip confocal unstable resonator (T), JOSA 67: 228
- Moore, Margaret. See Wooten, Billy R., JOSA 67: 1362
- Moore, Robert. See Baumeister, Philip W., JOSA 67: 1039
- Moore, Robert K. See Riggs, Lorrin A., JOSA 69: 373
- ; Riggs, Lorrin A.; Petry, Heywood: Signals evoked in the human cortex by chromatic modulation of a sinusoidal grating (A), JOSA 67: 1408
- Moorwood, A. F. M. See Baluteau, J. P., AO 16: 1834
- Moos, H. W. See Warden, E. S., AO 16: 1902; Weiser, H., AO 15: 3123
- ; Chen, K. I.; Terry, J. L.; Fastie, William G.: Construction, calibration, and application of a compact spectrophotometer for EUV (300–2500-Å) plasma diagnostics (E), AO 18: 1209
- Morabito, Linda A. See Klaasen, Kenneth P., AO 16: 3158
- Morales, A. See Malacara-Hernandez, Daniel, JOSA 66: 1104
- Morales, M. See Williams, R. E., AO 14: 2944
- Moravec, T. J.
- ; Bernal G., Enrique: Automated laser calorimetry (A), JOSA 67: 1443
- ; Bernal G., Enrique: Automation of a laser absorption calorimeter (E), AO 17: 1938
- ; Lin, J. W.: Infrared transmitting moisture-protective coatings for alkali halides (A), JOSA 69: 1438
- ; Skogman, R. A.; Bernal G., Enrique: Optical properties of bismuth trifluoride thin films (E), AO 18: 105
- Mord, A. J. See Augason, G. C., AO 14: 2146
- Moreland, J. C.
- ; Smith, S. S.: Color vision and optokinetic nystagmus (A), JOSA 64: 1387
- Moreland, J. D. See Pokorny, Joel, JOSA 65: 1522
- Morelle, J.
- ; Normand, D.; Petite, G.: Continuous frequency scanning of a stabilized single-mode Q-switched  $\text{Nd}^{3+}$ : glass laser (E) (L), AO 18: 141



- Morency, A. J.** See Granek, H., AO 13: 368
- Moreno, J. B.** See Hoffman, J. M., JOSA 68: 651
- Moreno, J. M.** See Mar, S., AO 18: 2914
- Morey, W. W.**
- ; Glenn, W. H.: 100 W average power, flashlamp-pumped dye laser (A), JOSA 66: 386
- Morford, S. C.** See Byrns, D. A., JOSA 66: 380
- Morgan, B. L.** See Beddoes, D. R., JOSA 66: 1247; Beddoes, R., JOSA 66: 181
- Morgan, D. R.** See Patty, R. R., AO 13: 2850
- Morgan, F. J.** See Dugan, C. H., JOSA 67: 1425, AO 17: 1012
- ; Dugan, H.: Polarization of light from a pulsed dye laser: effects of solvent viscosity (ET), AO 18: 4112
- Morgan, W. L.** See Monsler, Michael J., JOSA 68: 546
- Morhange, J. F.**
- ; Hirlimann, C.: Luminescence rejection in Raman spectroscopy (E) (L), AO 15: 2969
- Mori, Hidefumi**
- Ridge waveguide without high refractive index layer: multilayer side clad ridge waveguide (TE), AO 17: 105
- Mori, Kazuo**
- ; Ando, Kozo: Intensity calibration in the normal-incidence VUV region (A), JOSA 65: 1188
- Morikawa, M.** See Mochizuki, T., JOSA 68: 672
- Morikawa, T.** See Mitsuhashi, Y., AO 16: 1138; Nakajima, M., AO 15: 1030, AO 17: 922; Yasuhira, T., AO 16: 2532
- Morrissey, B. W.**
- ; Powell, C. J.: Interpolation of refractive index data (errata), AO 14: 2056
- Morita, Norio.** See Matsushima, Fusakazu, JOSA 68: 647
- Morita, T.** See Wungkobkiat, S., AO 18: 2950
- Morizet, J.** See Dupoiot, Henri, AO 13: 464, AO 13: 1605, AO 18: 2701
- Morland, D. K.** See Mintz, G. D., AO 14: 564
- Morris, G. M.** See George, Nicholas, JOSA 67: 1416
- ; George, Nicholas: Matched filtering using rough input objects (A), JOSA 69: 1435
- ; George, Nicholas: Optical transforms of rough edges and gaps (A), JOSA 68: 1362
- Morris, James R.** See Fleck, J. A., Jr., JOSA 65: 1192, AO 17: 2575; Weaver, H. J., JOSA 64: 562
- Morris, Mark B.**
- ; McIlrath, Thomas J.: Portable high-resolution laser monochromator-interferometer with multichannel electronic readout (E), AO 18: 4145
- Morris, R. C.** See Jenssen, H. P., JOSA 66: 384; Walling, John C., JOSA 69: 373, OL 4: 182
- Morris, R. H.** See Ferguson, J. B., AO 17: 2924
- ; Ferguson, J. B.; Warniak, J. S.: Frequency stabilization of internal mirror He-Ne lasers in a transverse magnetic field (E) (L), AO 14: 2808
- Morris, S. J.**
- ; Shultens, H. A.; Hellweg, M. A.; Striker, G.; Jovin, T. M.: Dynamics of structural changes in biological particles from rapid light scattering measurements (ET), AO 18: 303
- Morrison, N. D.** See Holah, G. D., AO 18: 3526, JOSA 67: 971
- Morrison, P.**
- Surface profile comparison of machined surfaces by 10  $\mu$ m speckle interferometry (A), JOSA 66: 183
- Morrison, R. J.** See Barnoski, M. K., AO 15: 253
- Morse, R. L.** See McCrory, R. L., Jr., JOSA 68: 549
- ; Pearlman, Jay S.: Impact of truncated Maxwellian electron velocity distribution on ion expansions from laser-irradiated targets (A), JOSA 68: 544
- Morse, T. F.** See Goela, J. S., OL 4: 375
- Mortleman, J.** See Meaburn, John, AO 15: 3006
- Morton, A. H.**
- Proposed multipass Thomson scattering system for tokamaks (E), AO 16: 1588
- Morton, John Baird**
- ; Andrews, Harry C.: A posteriori method of image restoration (TE), JOSA 69: 280
- Morton, Richard G.** See Friedman, Herbert W., AO 15: 1494
- ; Mack, M. E.; Itzkan, I.: Efficient cavity dumped dye laser (ET), AO 17: 3268
- Mosavi, R. K.** See Hamadani, S. M., JOSA 68: 544
- Moser, H. O.**
- Instrument for measuring angular intensity distributions of light sources within a few milliseconds (E), AO 13: 173
- Moses, E. I.**
- ; Tang, C. L.: High-sensitivity laser wavelength-modulation spectroscopy (E), OL 1: 115
- Moses, G. A.** See Conn, R. W., JOSA 68: 545
- Mosher, D.** See Cooperstein, G., JOSA 68: 545
- ; Goldstein, Shyke A.; Ottinger, P. F.; Hsing, W. W.: Neutralized transport and focusing of ion beams (A), JOSA 68: 545
- Moskovits, Martin**
- ; Michaelian, Kirk: Double-beam Raman difference spectroscopy (E) (L), AO 16: 2044
- Moss, Gaylord E.**
- Wide-angle holographic lens for a display system (A), JOSA 64: 552
- Mossberg, T. W.** See Flusberg, A., JOSA 68: 696; Kachru, R., JOSA 69: 1407
- Mostafavi, M.**
- ; Itoh, T.; Mittra, Raj: Excitation of an optical fiber by a Gaussian beam (T), AO 14: 2190
- Mostrom, Richard N.**
- Helmet-mounted display utilizing a conic visor and tilted projection components (A), JOSA 64: 1358
- Mottier, Francois M.** See Daendliker, Rene, JOSA 64: 1381, JOSA 65: 1223, JOSA 66: 23
- Advances in Holography, Volume 2. Edited by Nabil H. Farhat (B), JOSA 68: 143
- Advances in Holography, Volume 3. Edited by Nabil H. Farhat (B), JOSA 68: 1285
- Motycka, Jiri**
- Light scattering as a measure of aerosol concentration (A), JOSA 67: 259
- Mouchart, Jacques**
- Thin film optical coatings. 5: Buffer layer theory (T), AO 17: 72
- Thin film optical coatings. 6: Design method for two given wavelength antireflection coatings (T), AO 17: 1458
- Thin film optical coatings. 4: Multilayer antireflection coatings (T), AO 16: 3237
- Thin film optical coatings. 1: Optical coating stabilities (T), AO 16: 2486
- Thin film optical coatings. 1: Optical coating stabilities (errata), AO 17: 1486
- Thin film optical coatings. 2: Three-layer antireflection coating theory (T), AO 16: 2722
- ; Begel, J.; Chalot, S.: Thin film optical coatings. 7: Two-layer coatings close to antireflection (TE), AO 18: 1226
- Thin film optical coatings. 3: Two-wavelength antireflection coatings (T), AO 16: 3001
- Moulin, B.** See Clement, M., AO 13: 1621
- Moulton, G. C.** See Richter, P., AO 15: 756, AO 15: 1117
- Moulton, Peter F.** See Ehrlich, D. J., OL 4: 184; McDowell, Robin S., OL 2: 97
- ; Mooradian, A.: Efficient cw optically pumped Ni:MgF<sub>2</sub> laser (A), JOSA 68: 630
- ; Mooradian, A.; Reed, T. B.: Efficient cw optically pumped Ni:MgF<sub>2</sub> laser (E), OL 3: 164
- ; Mooradian, A.: High-resolution double-resonance spectroscopy of  $v_3 = 2 \leftarrow 1$  transitions in SF<sub>6</sub> (A), JOSA 68: 1632
- ; Larsen, D. M.; Walpole, J. N.; Mooradian, A.: High-resolution transient double-resonance spectroscopy in SF<sub>6</sub> (ET), OL 1: 51
- Mount, George H.**
- ; Yamasaki, G.; Fowler, Walter; Fastie, William G.: Compact far ultraviolet emission source with rich spectral emission 1150-3100 Å (E), AO 16: 591
- ; Fastie, William G.: Comprehensive analysis of gratings for ultraviolet space instrumentation (E), AO 17: 3108
- Mourou, G.** See Agostinelli, John A., JOSA 69: 1484
- Movshev, V. G.** See Antonov, V. S., OL 3: 37
- Movnyhan, C. T.** See Ma, D. S., JOSA 67: 254
- Mrdjen, Peter**
- ; Mason, Peter; Howarth, David E.: Telecopier 200 facsimile device (A), JOSA 66: 379
- Mroczkowski, Stanley.** See Owen, James F., JOSA 69: 1463; Tanguay, A. R., Jr., JOSA 68: 1396
- Mrowka, S.** See Speer, R. J., AO 18: 2003
- M-Tehrani, M.**
- ; Mandel, Leonard: Electromagnetic field near focus as seen by a moving particle (T), JOSA 64: 934
- ; Mandel, Leonard: Measurements of the photon statistics of a two-mode ring laser (A), JOSA 67: 1366
- ; Mandel, Leonard: Mode competition in a ring laser at line center (E), OL 1: 196
- ; Mandel, Leonard: Mode correlations in a ring laser (A), JOSA 66: 1133
- ; Mandel, Leonard: Optical field near focus seen by a moving particle (A), JOSA 64: 527
- Much, G.** See Hill, B., AO 14: 2607
- Mucha, J. A.** See Evenson, Kenneth M., JOSA 67: 1387
- Muehlich, A.** See Rau, K., JOSA 67: 706
- Muehlnier, Dirk J.** See Frerking, Margaret A., AO 16: 526
- Mueller, Edward.** See Vahey, David W., JOSA 69: 1427
- Mueller, James L.**
- Ocean color spectra measured off the Oregon coast: characteristic vectors (E), AO 15: 394
- Mueller, James R.**
- ; Greenler, Robert G.; Mallmann, A. James: Arcs of Lowitz (T), JOSA 69: 1103
- Mueller, K. A.** See Pohl, Dieter W., AO 13: 95
- Mueller, K.-H.**
- ; Nimtz, G.: Acoustoelectric domain induced transparency in tellurium at 11  $\mu$ m (E), AO 16: 2961
- ; Nimtz, G.: Phonon-induced transparency of tellurium near 11  $\mu$ m wavelength (A), JOSA 67: 255
- Mueller, M. R.**
- ; Carlson, F. Paul: Apodization filtering applied to a bandlimited optical Fourier transformer (ET), AO 15: 690
- ; Carlson, F. Paul: Bandlimiting effects in an optical Laplace transform computer (ET), AO 14: 2207
- Mueller, Marvin M.**
- Reconstruction of spherically symmetric objects from slit-imaged emission: limitations due to finite slit width (T), OL 4: 351
- Mueller, Paul A.**
- ; Hebert, Raymond T.: Increasing production yields with a laser scanner lumber inspection system (A), JOSA 66: 379
- Mueller, Peter F.**
- ; Reynolds, George O.: Storage of digital information on film in register with the image (A), JOSA 67: 1407
- Mueller, R. K.**
- ; Rylander, R. L.: Demodulation scheme for laser-scanned acoustical-imaging systems (T), JOSA 69: 407
- ; Jorna, S.: Intensity requirements in X-ray holography at 1 Å (T) (L), AO 16: 525
- Mueller, W.** See Hirschfeld, T., JOSA 65: 1170
- Muffoletto, C. Verne.** See Williams, Vernon L., JOSA 68: 1424
- ; Bloch, S. C.; Van Oeveren, R. M.; Goodell, John B.: Artifact analysis and correction in a scanning infrared system (A), JOSA 66: 1124
- ; Williams, Vernon L.; Flint, Bruce K.: Degradation of optically finished surfaces caused by stripping of old coatings and re-coating (A), JOSA 65: 1215
- Optical Shop Notebook, Volume 1, 1974-1975. By J. B. Houston, Jr. (B), AO 15: 1107
- Mugnai, A.** See Chylek, Petr, JOSA 69: 1550; Grams, G. W., JOSA 67: 260
- Muhs, A. G.** See Kostuk, R. K., AO 18: 1527
- Mukai, H.** See Harris, Richard J., JOSA 65: 1169, AO 16: 436
- Mukerjee, A. K.** See Sharma, N. C., AO 16: 2945
- Mukhtar, E. S.** See Baker, H. J., AO 18: 2136
- Mulac, A. J.** See Hill, R. A., AO 16: 2004
- ; Flower, W. L.; Hill, R. A.; Aeschliman, D. P.: Pulsed spontaneous Raman scattering technique for luminous environments (E), AO 17: 2695
- Muldawer, L.** See Scott, W. R., AO 13: 1956
- Mullaney, Paul F.** See Salzman, G. C., JOSA 65: 1170, JOSA 66: 387
- ; Fiel, Robert J.: Cellular structure as revealed by visible light scattering: studies on suspensions of red blood cell ghosts (TE) (L), AO 15: 310
- Mullen, E. G.** See Silverman, S. M., AO 14: 2838
- Muller, M. W.** See Becker, Richard A., AO 16: 1810; Chang, M. S., AO 14: 1572; Sun, M. J., AO 16: 814, AO 16: 2986
- Muller, R. A.** See Buffington, Andrew, JOSA 67: 298, JOSA 67: 304; Pollaine, S., JOSA 67: 309
- Muller, R. H.** See McLarnon, F. R., AO 14: 2468, JOSA 65: 1011
- ; Mathieu, H. J.: Performance tests for automatic ellipsometers (E), AO 13: 2222



- Muller, Richard A.**  
—; Buffington, Andrew: Real-time correction of atmospherically degraded telescope images through image sharpening (T), JOSA 64: 1200
- Mullick, S. K.** See Aggarwal, A. K., AO 17: 987; Ramakrishnam, R. S., AO 18: 464
- Mulligan, W. J.** See Woskoboinikow, P., JOSA 68: 1394, OL 4: 199
- Mullins, J. H.** See Cook, J. S., JOSA 66: 391
- Mullins, W. W.** See Quick, R. Frank, Jr., JOSA 68: 116  
Convexity theorem for subthreshold stimuli in linear models of visual contrast detection (T), JOSA 68: 456
- Mullot, M.** See Marioge, J. P., AO 14: 2283
- Mumford, B. B.** See Smith, P. W., OL 2: 55
- Mumma, M. J.** See Abbas, M. M., AO 15: 427, AO 16: 2793; Hillman, J. J., OL 1: 81
- Mumola, Peter B.** See Akkapeddi, Prasad R., JOSA 68: 1435; Webster, J. C., JOSA 67: 1438
- ; Robertson, H. J.; Steinberg, G. N.; Kreuzer, Justin L.; McCullough, A. W.: Unstable resonators for annular gain volume lasers (E), AO 17: 936
- Munch, J.**  
—; Rea, E. C.; Casperson, Lee W.: Beam deflection in a pulsed chemical laser amplifier (ET), AO 18: 869
- Mundy, W. C.**  
—; Roux, J. A.; Smith, A. M.: Mie scattering by spheres in an absorbing medium (T), JOSA 64: 1593  
—; Roux, J. A.; Smith, A. M.: Mie scattering by spheres in an absorbing medium (errata), JOSA 65: 974
- Munn, Michael W.** See McClellan, C., AO 18: 3984; Wells, W. C., AO 16: 654  
Dependence of thermal blooming on time and transverse-flow velocity in gases (A), JOSA 64: 549
- Munnerlyn, C. R.**  
Applications of surface-measuring interferometry (A), JOSA 64: 1362  
—; Clapham, T. N.: Automatic instrument for objectively determining the refractive state of the eye (A), JOSA 64: 1372
- Munnerlyn, Charles R.**  
Automatic instrument for kinetic and static perimetry (A), JOSA 66: 1120
- Munoz, Robert M.**  
—; Mocker, Hans W.; Koehler, Lyle: Airborne laser Doppler velocimeter (E), AO 13: 2890
- Munro, D. F.**  
Defect-detection algorithms for automatic mask inspection (A), JOSA 64: 1402
- Munro, R. H.** See Poland, A. I., AO 16: 926
- Munroe, James L.** See Jones, Kenneth C., JOSA 67: 1405; Lawrence, George, JOSA 67: 1405; Reichelt, W. H., JOSA 68: 543  
Interferometric evaluation of diamond-turned mirrors for CO<sub>2</sub> laser fusion (A), JOSA 69: 1417
- ; Jones, Kenneth C.: Optical performance calculations for a 100 kJ CO<sub>2</sub> laser-fusion system (A), JOSA 67: 1405
- Murakami, Yasuji.** See Ikeda, Masahiro, AO 16: 1045
- ; Kawana, Akio; Tsuchiya, Haruhiko: Cut-off wavelength measurements for single-mode optical fibers (E), AO 18: 1101
- Murakawa, Kiyoshi**  
Isotope shift in the spectrum of Ne II (E) (L), JOSA 65: 220
- Muramoto, M.** See Grossman, J. J., JOSA 66: 1072
- Murase, Kei.** See Sugawara, Shungo, AO 14: 378
- Murata, H.** See Sekizawa, T., JOSA 67: 709
- Murata, Kazumi.** See Baba, Naoshi, JOSA 67: 662; Sato, Tatsumi, AO 17: 3096
- ; Kunugi, K.: Cone-shaped cover for 360° holography (E) (L), AO 16: 1798
- Murata, Kiyoshi.** See Okuda, Masahiro, JOSA 65: 1221
- Murayama, Seiichi.** See Yamamoto, Manabu, JOSA 69: 781
- Murcray, D. G.** See Goldman, A., AO 15: 2305, AO 18: 604, JOSA 65: 10; Schmidt, S. C., AO 13: 1202
- Murcray, F. H.** See Goldman, A., AO 18: 604
- Murcray, Frank J.**  
—; Goody, Richard: Astronomical monochromatic imaging as applied to the Io sodium cloud (E), AO 17: 3117
- Murnick, D. E.** See Burns, M., JOSA 66: 1125
- ; Burns, M.; Hinchelwood, D.; Pappas, P.; Feld, M. S.: Structure of saturation resonances induced by laser optical pumping in atomic barium (A), JOSA 68: 649
- Murphree, J. S.**  
—; Robertson, I. W. H.; Anger, C. D.; Cogger, L. L.: Rocket observations of auroral albedo over snow (ET) (L), AO 17: 1849
- Murphy, Carl G.** See Hansche, Bruce D., AO 13: 630  
Pulse clipping for holographic interferometry (E) (L), AO 15: 23
- Murphy, Daniel V.**  
—; Long, Marshall B.; Chang, Richard K.: Spatially resolved coherent anti-Stokes Raman spectroscopy from a line across a CH<sub>4</sub> jet (E), OL 4: 167
- Murphy, G.** See Milam, D., JOSA 66: 384
- Murphy, Randall E.** See Sakai, Hajime, AO 17: 1342; Vanasse, George A., AO 15: 290
- ; Rogers, J. W.; Cook, Floyd H.; Caledonia, George E.: Fourier spectroscopic measurements of transient CO emissions (A), JOSA 67: 250
- ; Cook, Floyd H.; Sakai, Hajime: Time-resolved Fourier spectroscopy (A), JOSA 64: 1364
- ; Cook, Floyd H.; Sakai, Hajime: Time-resolved Fourier spectroscopy (ET), JOSA 65: 600
- Murphy, W. D.**  
—; Bernabe, Mike L.: Numerical procedures for solving nonsymmetric eigenvalue problems associated with optical resonators (T), AO 17: 2358
- Murphy, William F.**  
Rotation-vibration Raman spectrum of water vapor (A), JOSA 67: 1397
- Murray, Bruce C.**  
Exploration of the planets with a camera (A), JOSA 69: 1461
- Murray, E. R.**  
—; van der Laan, J. E.: Remote measurement of ethylene using a CO<sub>2</sub> differential-absorption lidar (ET), AO 17: 814
- ; van der Laan, J. E.; Hawley, J. G.: Remote measurement of HCl, CH<sub>4</sub>, and N<sub>2</sub>O using a single-ended chemical-laser lidar system (ET), AO 15: 3140
- ; Williams, M. F.; van der Laan, J. E.: Single-ended measurement of infrared extinction using lidar, AO 17: 296
- Murray, George C.** See Resnik, Judith A., JOSA 68: 937
- Murray, J. E.** See Davis, S. J., AO 17: 3184
- ; Lowdermilk, W. H.; Downs, D. C.; Kuizenga, D. J.: Synchronized diagnostic pulse system for fusion lasers (A), JOSA 68: 547
- Murray, J. R.** See Goldhar, J., OL 1: 199
- ; Goldhar, J.; Szoek, A.: Backward Raman gain and pulse compression of KrF laser radiation scattered by CH<sub>4</sub> (A), JOSA 68: 663
- ; Goldhar, J.: Injection-locked unstable resonator KrF discharge laser with linewidth of 3 GHz (A), JOSA 68: 705
- ; Goldhar, J.; Szoek, A.: Raman pulse compression of KrF lasers for laser fusion applications (A), JOSA 68: 548
- Murray, L. E.** See Garrison, L. M., AO 17: 683, AO 17: 827
- Murray, Richard P.** See Moore, Duncan T., JOSA 67: 1385, AO 17: 3959
- Murty, M. V. R. K.** See Malacara-Hernandez, Daniel, AO 14: 1065
- Murty, S. S. R.**  
Atmospheric attenuation of CO<sub>2</sub> laser Doppler systems (A), JOSA 68: 540
- Muscari, J. A.**  
—; Jambor, B. J.; Westcott, P. A.: Initial results of Skylab experiment T027: optical contamination in space (A), JOSA 64: 530
- ; Westcott, P. A.: Optical contamination evidence from Skylab and Gemini flights (E), AO 14: 2883  
Photometer calibration problem for extended astronomical sources (E) (L), AO 14: 1491
- Musinski, D. L.**  
—; Henderson, T. M.; Simms, R. J.: Laser fusion experiments with cryogenic targets (A), JOSA 68: 550
- Musmann, H. G.**  
Digital representation of video signals (A), JOSA 66: 167
- Muto, K.** See Naitoh, H., AO 17: 101, AO 17: 3975; Okamoto, E., AO 14: 2453
- Muzii, Ludovico.** See Bertolotti, Mario, AO 13: 1582
- Muzyka, Daniel F.** See Pasachoff, Jay M., AO 15: 2884
- Myall, J. O.** See Hryley, C. A., JOSA 68: 548; Summers, M. A., JOSA 68: 547
- Myer, J. H.**  
INTERMAG conference, London, 14-17 Apr 1975 (M), AO 14: 2027
- Mysyrowicz, A.** See Chase, L. L., JOSA 68: 678
- Naab, R.** See Stark, Henry, JOSA 68: 1437, AO 17: 3133
- Naats, I. E.** See Veretennikov, V. V., OL 4: 411
- Nack, M. L.**  
—; Green, Alex E. S.: Influence of clouds, haze, and smog on the middle ultraviolet reaching the ground (T), AO 13: 2405
- Nadeau, P.** See Authier, B., AO 18: 3081
- Naderi, Firouz**  
—; Sawchuk, Alexander A.: Detection of low-contrast images in film-grain noise (TE), AO 17: 2883
- ; Sawchuk, Alexander A.: Estimation of images degraded by film-grain noise (TE), AO 17: 1228
- ; Sawchuk, Alexander A.: Nonlinear detection and estimation of images degraded by film-grain noise (A), JOSA 66: 167
- ; Sawchuk, Alexander A.: Nonlinear digital processing of images corrupted by film-grain noise (A), JOSA 65: 1202
- Nafarrate, Antonio B.** See Gordon, K. S., AO 16: 818; Rawson, Eric G., JOSA 66: 176, JOSA 66: 1290  
Is the pecten nature's version of an acousto-optical modulator? (A), JOSA 68: 1428
- Nafie, L. A.** See Cheng, J. C., AO 15: 1960, JOSA 65: 1031
- Nagae, S.**  
—; Iwata, Koichi; Nagata, Ryo: Measurement of strain distribution in plane metal plate by optical spatial filtering (TE), AO 14: 115
- ; Iwata, Koichi; Nagata, Ryo: Measurement of surface strain distribution by means of color display using optical spatial filtering (TE), AO 14: 970
- Nagai, Haruo.** See Zembutsu, Sakae, AO 14: 3073
- Nagano, K.** See Maeda, Minoru, AO 16: 1966, AO 17: 651
- Nagano, Kuzuo**  
—; Kawakami, Shojiro; Nishida, Shigeo: Change of the refractive index in an optical fiber due to external forces (E), AO 17: 2080
- Nagao, Morimasa.** See Esho, Sotaro, AO 13: 779
- Nagasaka, T.**  
—; Suzuki, M.: Silicon carbide infrared cavity radiator (E) (L), AO 16: 2358
- Nagata, Ryo.** See Iwata, Koichi, JOSA 67: 1117; Kihara, T., AO 15: 3025, AO 18: 321; Kubo, Hayao, JOSA 69: 604; Maruyama, Yoshihisa, AO 16: 2034, AO 16: 2500; Matsumoto, T., AO 13: 1080, AO 17: 3538; Nagae, S., AO 14: 115, AO 14: 970
- Nagata, Y.** See Hamasaki, Joji, AO 16: 1675
- Nagel, David J.** See Bleach, R. D., AO 16: 572  
Self-Study Manual on Optical Radiation Measurements, Part 1: Concepts; Chapters 4, 5, and 6. Edited by F. E. Nicodemus and H. J. Kostkowski (B), AO 18: 1554
- Nagel, J.**  
—; Rogovin, D.; Avizonis, P. V.; Butts, R. R.: Asymptotic approaches to marginally stable resonators (T), OL 4: 300
- Nagel, Max R.**  
—; Mayr, Ernst; Kastner, Hans; Dantz, Karl: Application of a model for the inherent contrast conditions in full-form objects (TE), AO 13: 1946  
Ground illumination from a turbid cloudless sky (ET), AO 14: 67  
Improved approximation of Bemporad's airmass function (T) (L), AO 13: 1008
- Nagel, S. R.** See Church, E. L., AO 13: 1274
- Nagy, Allen L.**  
—; MacLeod, Donald I. A.; Heyneman, Nicholas E.; Eisner, Alvin: Failure of additivity for color matches in heterozygous women (A), JOSA 69: 1420
- ; Boynton, Robert M.: Large-field color naming of dichromats with rods bleached (E), JOSA 69: 1259
- ; Boynton, Robert M.: Large-field red/green discriminations with rods bleached (A), JOSA 68: 1392
- Nahory, R. E.** See Pollack, M. A., JOSA 66: 288
- Nahrstedt, David A.**  
—; Schooley, Larry C.: Alternative approach in decision theory as applied to the resolution of two point images (T) (L), JOSA 69: 910



- Naitoh, H.**  
 —; Muto, K.; Nakayama, Takashi: Mirror-type optical branch and switch (E), AO 17: 101  
 —; Noda, S.; Muto, K.; Nakayama, Takashi: Mirror-type optical switch array (E), AO 17: 3975  
 —; Nunoshita, Masahiro; Nakayama, Takashi: Mode control of Ti-diffused LiNbO<sub>3</sub> slab optical waveguide (E), AO 16: 2546
- Nakada, M. P.**  
 Foci of tandem Wadsworth spectrographs (T), JOSA 69: 165
- Nakagawa, K.** See Matsumoto, T., AO 18: 1449
- ; Asakura, Toshimitsu: Contrast of white light speckle patterns at a defocused image plane (E) (L), AO 18: 3725
- Nakagome, Hiroshi.** See Tsuchiya, Haruhiko, AO 16: 1323; Uehara, Shingo, AO 13: 1753
- Nakai, S.** See Matoba, M., JOSA 68: 670; Yamanaka, C., JOSA 68: 543
- Nakajima, M.** See Mitsuhashi, Y., AO 16: 1138  
 —; Komatsu, H.; Mitsuhashi, Y.; Morikawa, T.: Computer generated polarization holograms: phase recording by polarization effect in photodichroic materials (T), AO 15: 1030  
 —; Sahara, M.; Morikawa, T.; Mitsuhashi, Y.: Practical improvements of writing and reading algorithm in computer-generated polarization holography (TE), AO 17: 922
- Nakajima, Masahide.** See Yokozawa, Minoru, JOSA 64: 396
- Nakajima, Toshiro.** See Yoshimura, Takeaki, AO 18: 2094
- Nakamura, M.** See Fukuzawa, T., OL 4: 343; Kajimura, T., AO 18: 1812; Kuroda, T., AO 17: 3264  
 —; Yariv, Amnon: Distributed feedback semiconductor lasers (A), JOSA 66: 288
- Nakamura, T.** See Suzuki, H., JOSA 66: 1080
- Nakano, K.** See Law, H. D., JOSA 68: 632
- Nakano, Masakazu**  
 —; Nishida, Nobuo: Contact printing method utilizing heated photoresist adhesive property for hologram copying (E) (L), AO 18: 3073
- Nakao, S.** See Matsumoto, T., AO 17: 3538
- Nakashima, H.** See Chinone, N., AO 17: 311; Maeda, Minoru, AO 16: 1966
- Nakashima, Yoshio**  
 —; Ikeda, Mitsuo: Binocular color fusion limit (A), JOSA 68: 1438
- Nakata, H.** See Otsuka, E., JOSA 67: 931
- Nakatani, Yutaka.** See Sato, Takuzo, AO 13: 2759, AO 15: 867, AO 16: 1263
- Nakayama, Ken.** See Tyler, Christopher William, JOSA 66: 1078  
 Common image motion severely disrupts motion parallax sensitivity (A), JOSA 69: 1487  
 —; Tyler, Christopher William: Cortical pooling in the perception of orientation (A), JOSA 66: 1090
- Nakayama, Takashi.** See Naitoh, H., AO 16: 2546, AO 17: 101, AO 17: 3975; Nomura, Yoshinori, AO 16: 2729; Nunoshita, Masahiro, OL 4: 27
- Nakayama, Yoshikazu.** See Kato, Makoto, AO 14: 1093  
 —; Kato, Makoto: Diffuser with pseudorandom phase sequence (T), JOSA 69: 1367
- Namaba, Susumu.** See Aoyagi, Takashi, JOSA 66: 292
- Namba, S.** See Arimoto, H., JOSA 66: 289; Kawabe, M., AO 17: 2556
- Namioka, T.** See Noda, H., JOSA 64: 1031, JOSA 64: 1037, JOSA 64: 1043, JOSA 65: 474, JOSA 65: 474
- Nang, T. T.** See Matsushita, Tatsuhiko, JOSA 66: 1069
- Nanjo, Motoi.** See Sato, Takuzo, JOSA 67: 1363, AO 17: 3798
- Narducci, Lorenzo M.** See Farina, J. D., JOSA 69: 1414; Mitra, S. S., AO 14: 3038  
 Coherence and quantum optics, Fourth Rochester Conference, 8-10 June 1977 (M), AO 16: 3066  
 —; Agarwal, G. S.; Brown, A. C.; Vetri, G.: Collective atomic effects in resonant fluorescence (A), JOSA 66: 1076  
 —; Colby, P. C.; Baer, J.: Effects of multiple scattering on the statistical properties of laser light (A), JOSA 64: 1399  
 —; Farina, J. D.; Feng, Da Hsuan; Benza, V. G.: Field fluctuations in absorptive bistability (A), JOSA 68: 1420  
 Genesis of Quantum Theory (1899-1913). By Armin Hermann (B), JOSA 65: 969  
 Light scattering from dense optical media (A), JOSA 65: 1206
- Nuclear Forces. By Gernot Eder. Translated by Irving Kaplan (B), JOSA 66: 81
- Optics. By Eugene Hecht and Alfred Zajac (B), JOSA 64: 1024
- ; Gilmore, R.; Feng, Da Hsuan; Agarwal, G. S.: Quantum analysis of optical bistability and spectrum of fluctuations (T), OL 2: 88  
 Quantum Physics and the Philosophical Tradition. By Aage Petersen (B), JOSA 66: 11
- ; Feng, D. H.; Agarwal, G. S.; Gilmore, R.: Resonance fluorescence and absorption spectra in optically bistable systems (A), JOSA 67: 1367  
 —; Bonifacio, R. R.; Farina, J. D.: Transverse effects in superfluorescence (A), JOSA 69: 1430
- Narendra, P. M.** See Huang, Thomas S., AO 14: 2213
- Narozhny, N. B.** See Sanchez-Mondragon, J., JOSA 69: 1414
- Nash, Jonathon M.**  
 Vortex heat-exchanger cooling for infrared detectors (A), JOSA 64: 1360  
 Vortex heat exchanger cooling for IR detectors (ET), AO 14: 2911
- Nassau, K.**  
 —; Rich, T. C.; Shiever, J. W.: Low loss fused silica made by the plasma torch (E) (L), AO 13: 744
- Natale, V.** See Carli, B., AO 18: 3953
- Naumkin, N. I.** See Isaev, S. K., JOSA 68: 1621
- Navon, E.** See Felsen, Leopold B., JOSA 68: 1408
- Nawata, Kiyoshi.** See Saruwatari, Masatoshi, AO 18: 1847
- Nayar, P. S.**  
 —; Hamilton, W. O.: Noise-equivalent power and response time of TiSe bolometer at 1.5 K (TE), JOSA 65: 831  
 —; So, C. K.: Properties of some infrared filters (E) (L), AO 16: 289  
 —; Hamilton, W. O.: Thallium selenide infrared detector (A), JOSA 67: 254  
 —; Hamilton, W. O.: Thallium selenide infrared detector (E), AO 16: 2942
- Nayatani, Y.** See Sobagaki, H., JOSA 64: 743; Takahama, K., JOSA 67: 651
- Naylor, D. A.**  
 —; Boreiko, R. T.; Clark, T. A.: Mylar beam-splitter efficiency in far infrared interferometers: angle of incidence and absorption effects (ET), AO 17: 1055
- Nayyar, V. P.** See Sodha, M. S., JOSA 64: 941, JOSA 65: 1027  
 —; Verma, N. K.: Asymmetrical fringe broadening in a Lummer-Gehrcke interferometer (T), AO 15: 1037  
 —; Verma, N. K.: Resolution of a microscope: improvement using a centrally obstructed condenser aperture and a semitransparent  $\Pi$ -phase annular aperture objective system (T), AO 15: 1341  
 —; Verma, N. K.: Two-point resolution of a microscope: effect of nonuniform and nonsymmetric illumination using a semitransparent  $\pi$ -phase annular aperture (T), AO 16: 2460  
 —; Verma, N. K.: Two-point resolution of Gaussian aperture operating in partially coherent light using various resolution criteria (T), AO 17: 2176
- Nee, Nancy.** See Brown, David C., AO 17: 211
- Nee, T. W.**  
 —; Scully, Marlan O.: Hot electron effect in  $n$ -InSb Raman spin-flip laser (A), JOSA 68: 1435
- Neef, W. S.** See Simmons, W. W., JOSA 66: 388
- Neeland, J. K.** See Tseng, David Y., JOSA 66: 1128
- Neer, M. E.**  
 —; Sandri, G.; Fishburne, E. S.: Scattering of ultraviolet radiation by aerosols in the lower atmosphere (A), JOSA 67: 259
- Nees, R. T.** See Prospero, J. M., JOSA 67: 256
- Neff, William D.** See Hall, Freeman F., Jr., JOSA 66: 1066
- Negran, T. J.**  
 —; Glass, A. M.: Generation of intense subnanosecond 0.58-0.80- $\mu$ m pulses with a flashlamp-pumped dye laser (E), AO 17: 2812
- Negus, C. R.**  
 Grazing-incidence mirror system for use with a grating spectrometer in the extreme ultraviolet (ET), AO 13: 1216
- Neihart, Natasha K.** See Bright, David S., JOSA 67: 258
- Neil, C. C.** See Hammer, J. M., JOSA 66: 292
- Neill, G. F.** See Costley, A. E., JOSA 67: 979
- Neiswander, Robert S.**  
 —; Plews, Gordon S.: Low-noise extended-frequency response with cooled silicon photodiodes (ET), AO 14: 2720
- Nelson, Arthur R.** See Soref, Richard A., AO 16: 3223  
 Coupling optical waveguides by tapers (T), AO 14: 3012  
 —; Eyges, Leonard: Electromagnetic scattering from dielectric rods of arbitrary cross section (T), JOSA 66: 254  
 —; McMahon, D. H.; Gravel, Robert L.: Electro-optic multiplexer for large-numerical-aperture, low-loss fibers (E), OL 1: 35  
 —; McMahon, D. H.; Gravel, Robert L.: Electrooptic multiplexer system for multimode fiber communications (E), AO 17: 3688  
 —; Soref, Richard A.: Electrooptic polarization switch for multimode fibers (T), AO 16: 119  
 —; Soref, Richard A.: Properties of a multimode electro-optic polarization switch for fiber optics (A), JOSA 65: 1214
- Nelson, B. E.** See Hunt, Donald M., AO 15: 2264
- Nelson, Burke E.**  
 —; Goldstein, Gerald A.: Passive cryogenic cooling of electrooptics with a heat pipe/radiator (R), AO 13: 2109
- Nelson, D. A.** See Summers, C. J., JOSA 67: 253
- Nelson, D. F.** See Lax, M., JOSA 65: 668, JOSA 66: 694; Lazay, P. D., JOSA 67: 1410  
 Double phase-matching function (errata), JOSA 69: 1049  
 Double phase-matching function (T) (L), JOSA 68: 1780  
 General solution for the electro-optic effect (T), JOSA 65: 1144  
 —; Lazay, P. D.: Multiple reflection corrections in light-scattering experiments (T) (L), JOSA 67: 1599  
 Scattering of Light by Crystals. By W. Hayes and R. Loudon (B), AO 18: 1472  
 —; Kleinman, D. A.; Wecht, K. W.: Vibration-induced modulation of fiber guide transmission (A), JOSA 67: 707
- Nelson, Jerry E.**  
 University of California 10-m telescope project (A), JOSA 69: 1436
- Nelson, Leonard Y.** See Dougal, Roger A., AO 18: 1311
- Nelson, Melvin A.** See Davies, Terence J., AO 15: 1404; Lin, C.-H., JOSA 68: 1383, AO 17: 2486
- Nelson, R. D.** See Massie, N. A., OL 3: 46, AO 18: 1797
- Nelson, R. G.** See Hunt, J. T., AO 15: 1458
- Nelson, T. M.** See Nilsson, T. H., JOSA 65: 1185
- Nemoto, S.**  
 —; Yip, Gar Lam: Excitation of a self-focusing optical fiber (A), JOSA 64: 526  
 —; Makimoto, T.: Generalized spot size for a higher-order beam mode (T), JOSA 69: 578  
 —; Yip, Gar Lam: Impulse response of a self-focusing optical fiber (T), AO 16: 705  
 —; Yip, Gar Lam; Farnell, G. W.: Launching efficiencies of the HE<sub>m</sub> modes in a self-focusing optical fiber waveguide (T), AO 14: 1543  
 —; Yip, Gar Lam: Modified zigzag-ray model in a dielectric slab optical waveguide (T) (L), AO 15: 317  
 —; Yip, Gar Lam: Propagation of rectangular and Gaussian pulses in a self-focusing optical fiber (T), AO 17: 57  
 —; Makimoto, T.: Refractive-index distribution for a prescribed ray path (E), JOSA 69: 450  
 —; Makimoto, T.: Refractive-index distribution for a prescribed ray path (errata), JOSA 69: 1049  
 —; Makimoto, T.: Relation between phase and group indices in anisotropic inhomogeneous guiding media (T) (L), JOSA 67: 124  
 —; Makimoto, T.: Relation between phase and group indices in anisotropic inhomogeneous guiding media (L), JOSA 67: 1281  
 —; Makimoto, T.: Upper bound to a group index in slab dielectric waveguides (T) (L), JOSA 66: 500
- Nereson, Norris G.** See Flicker, Herbert, AO 17: 851; McDowell, Robin S., OL 2: 97; Radziemski, Leon J., Jr., OL 3: 241
- Neshmit, Dalia.** See Weil, Raoul, JOSA 67: 252, AO 16: 2847, JOSA 67: 190
- Nesterikhin, Yu. E.** See Arnautov, G. P., AO 13: 310



- Optical information processing, second U.S.-U.S.S.R. Science Cooperation Seminar, Novosibirsk, 10-16 July 1976 (M), AO 16: 3066
- Nesteruk, I. N.** See Balashov, A. A., AO 17: 1716
- Nestor, Ontario H.**  
Large diameter NaCl windows for CO<sub>2</sub> lasers (A), JOSA 68: 1397
- Netravali, Arun N.**  
Model for chromatic adaptation (A), JOSA 64: 1386
- Netterfield, R. P.**  
—; Ramsay, J. V.: Correction of parabolic errors in Fabry-Perot interferometers (E), AO 13: 2685  
Refractive indices of zinc sulfide and cryolite in multilayer stacks (E), AO 15: 1969
- Neuendorffer, Arthur C.**  
Rapid atmospheric transmittance through fast Fourier convolution (A), JOSA 67: 1376
- Neufeld, C.**  
—; Sloan, E. L., III; Skolnick, M. L.: Modal wave-front control system (A), JOSA 66: 391
- Neuhauser, W.**  
—; Foerster, G.; Toschek, P. E.; Dehmelt, H.: Visual detection of electrostatically stored ions (A), JOSA 68: 623
- Neumann, E.-G.**  
Optical time domain reflectometer: comment (T) (L), AO 17: 1675
- Neumann, G.** See Levy, Y., AO 16: 2293
- Neumann, Hans D.**  
Recording module of the 3M laser microfilm system (A), JOSA 66: 381
- Neupert, W. M.** See Swartz, M., JOSA 66: 240
- Neuroth, N.** See Deutschbein, O., AO 17: 2228
- Neves, Fernando B.** See Moore, Duncan T., JOSA 67: 1385, AO 17: 3959
- Neviere, Michel.** See Loewen, Erwin G., AO 15: 2937, AO 16: 2711, AO 16: 3009, AO 17: 1087, AO 18: 2262, JOSA 68: 496; Vincent, P., AO 18: 1780
- ; Maystre, Daniel; Hunter, W. R.: Efficiencies of plane diffraction gratings measured in the conical and classical mountings (A), JOSA 67: 1438
- ; Maystre, Daniel; Hunter, W. R.: Use of classical and conical diffraction mountings for XUV gratings (TE), JOSA 68: 1106
- ; Vincent, P.; Maystre, Daniel: X-ray efficiencies of gratings (T) (L), AO 17: 843
- New, B. M.**  
Versatile electrooptic alignment system for field applications (ET), AO 13: 937
- New, G. H. C.** See Elgin, J. N., JOSA 68: 707
- Newberg, Richard T.** See Miles, Perry A., JOSA 65: 1169
- Newbold, Mark A.**  
—; Salamo, Gregory J.: Effects of relaxation on coherent continuous pulse train propagation (A), JOSA 68: 1388
- Newbound, K. B.** See Phelps, F. M., III, JOSA 65: 1283
- Newburgh, Ronald G.**  
Relativistic phase invariance: comments on a recent effort to reinvoke the ether (T) (L), AO 16: 540  
Relativistic Propagation of Light. By Wallace Kantor (B), AO 16: 792
- ; Borgiotti, Giorgio V.: Short wire as a microwave analogue to molecular Raman scatterers (T), AO 14: 2727
- Newbury, Dale E.**  
Developments in Electron Microscopy and Analysis. Edited by J. A. Venables (B), AO 16: 269  
Microscopy of Materials. By D. K. Bowen and C. R. Hall (B), AO 15: 2013
- Newcomb, James S.**  
Optimization of the geometric and diffraction images of concentric-mirror telescopes (A), JOSA 65: 1176
- Newell, Frank W.** See Smith, Vivianne C., JOSA 68: 1392
- Newfield, S. E.**  
Dielectric target fabrication for electron beam fusion (A), JOSA 68: 544
- Newitt, D. C.**  
—; Abraham, N. B.: Intensity fluctuations of ASE: theory and measurements (A), JOSA 69: 1414
- Newnam, Brian E.** See Gill, Dennis H., JOSA 66: 78, JOSA 66: 383
- ; Gill, Dennis H.: Laser damage resistance and standing-wave fields in dielectric coatings (A), JOSA 66: 166
- Newsom, G. H.**  
Wavelength standards for use with a BRV source (E), AO 13: 212
- Newstein, M. C.** See Mattar, Farres P., JOSA 65: 1181
- Newton, Billy W., Jr.** See Robinson, Stanley R., JOSA 69: 1422
- Newton, J. H.**  
—; Young, J. F.; Harris, S. E.: High-resolution, efficient 3  $\mu$ m image up-conversion in Cs vapor (A), JOSA 67: 1395
- ; Young, J. F.; Harris, S. E.: Two-photon resonant IR up conversion in metal vapors (A), JOSA 68: 1378
- Ng, W.** See Shellan, Jeffrey B., OL 2: 136; Yen, H. W., JOSA 66: 291
- Ng, Yin-mui.** See Su, Lin-kuan, JOSA 67: 846
- Nguyen, Le T.** See Tsai, C. S., JOSA 66: 289
- ; Tsai, C. S.: Efficient wideband guided-wave acoustooptic Bragg diffraction using phased surface acoustic wave array in LiNbO<sub>3</sub> (ET), AO 16: 1297
- Nguyen, Van Tran.** See Bridges, Thomas J., JOSA 64: 532; Chang, T. Y., JOSA 68: 669; Kang, M. H., JOSA 68: 706
- Nicholas, D. J.**  
—; Pataky, C.; Welford, Walter T.: High aperture lens for laser compression experiments: a new type (TE), AO 17: 3368
- Nicholls, Ralph W.** See Cann, M. W. P., JOSA 67: 1442, AO 18: 964; Danylewych-May, L. L., JOSA 67: 1432; Fabian, W., JOSA 67: 1363; Mandelman, Michael, JOSA 66: 1064; Pritchard, H. O., AO 18: 2085; Roney, P. L., AO 17: 2599; Shin, J. B., JOSA 67: 1432
- ; Bunn, F. E.; Peterson, R. N.: Spectral extinction measurements of urban hazes (A), JOSA 69: 1399
- Nichols, D. B.** See Pond, C. R., AO 16: 67
- ; Hall, R. B.: DF laser-induced gas breakdown (A), JOSA 69: 1412
- ; Hall, R. B.; Pond, C. R.; McClure, J. D.: Photoinitiated F<sub>2</sub> + H<sub>2</sub>/D<sub>2</sub> chain reaction laser (A), JOSA 66: 1109
- Nichols, K. H.** See Sun, M. J., AO 17: 1568
- Nichols, S. N.** See Mazumder, M. K., JOSA 66: 382
- Nickerson, Dorothy.** See Judd, Deane B., JOSA 65: 85  
Munsell rennotations for samples of OSA uniform color scales (E) (L), JOSA 68: 1343  
Munsell rennotations for samples of OSA uniform color scales (errata), JOSA 69: 489  
Uniform color scales: Munsell conversion of OSA committee selection (T), JOSA 65: 205
- Nickle, R. A.** See Barnes, Norman P., JOSA 66: 390
- Nicodemus, Fred E.**  
Comment on "Current definitions of reflectance" (T) (L), JOSA 66: 283
- Nicol, J. A. C.**  
Ocular reflecting layers (A), JOSA 67: 1388
- Nicolaisen, E.** See Hansen, J. J., Ramskov, AO 17: 2831
- Nicolosi, Piergiorgio.** See Jannitti, E., OL 4: 187
- ; Tondello, Giuseppe: Satellite spectra from laser-produced plasmas of Be, B, C, N, and O in He-like and Li-like configurations (E), JOSA 67: 1033
- Nielsen, Surli.** See Diamond, Ivan, JOSA 64: 534
- Niemann, B.**  
—; Rudolph, D.; Schmahl, G.: X-ray microscopy with synchrotron radiation (E) (L), AO 15: 1183
- Nijhawan, O. P.**  
—; Datta, P. K.; Sharma, C. R.: Modulation transfer function of proximity-focused image tube in polychromatic light (T), AO 14: 509
- Nijm, William P.** See Query, Marvin R., JOSA 64: 39
- Nikiforov, S. M.** See Zeroslov, D. Yu., JOSA 68: 669
- Nil, K. W.** See Eng, R. S., AO 16: 3072, AO 17: 1723; Gough, T. E., JOSA 68: 625; Hinkley, E. David, AO 15: 1653; Wahlen, M., AO 16: 2350
- Nil, Norman B.**  
Contrast effect on imagery power spectra (E), AO 18: 2147  
Scene power spectra: the movement as an image quality merit factor (ET), AO 15: 2446
- Nilsen, Joseph**  
—; Yariv, Amnon: Nearly degenerate four-wave mixing applied to optical filters (T) (L), AO 18: 143
- Nilsson, Bertil.** See Hagard, Arne, JOSA 67: 260  
Meteorological influence on aerosol extinction in the 0.2–40- $\mu$ m wavelength range (T), AO 18: 3457
- Nilsson, L.** See Gustavsson, M., JOSA 69: 984
- Nilsson, O.** See Hard, S., AO 17: 3827
- Nilsson, Olle.** See Haerd, Sverker, AO 18: 3018
- Nilsson, T. H.**  
Sturdy inexpensive optical table (E) (L), AO 18: 753
- ; Seither, L.; Nelson, T. M.: Temporal-contrast enhancement and millistucture of the human visual impulse response (A), JOSA 65: 1185
- Nimeroff, Isadore**  
Farbenlehre und Farbenmessung. Von Werner Schultze (B), AO 15: 1369  
Vision: Human and Electronic. By Albert Rose (B), AO 14: 2306  
Visual signaling, symposium, Washington, 9-10 Apr 1974 (M), AO 13: 2186
- Nimtz, G.** See Mueller, K.-H., JOSA 67: 255, AO 16: 2961; Tyssen, E., AO 16: 2957
- ; Tyssen, E.: Far IR emission from *n*-type Hg<sub>0.5</sub>Cd<sub>0.5</sub>Te in elastic fields (A), JOSA 67: 255
- Ninomiya, Yuichi**  
Parabolic mirror made by the rotation method: its fabrication and defects (E), AO 18: 1835
- Nisenon, Peter.** See Ehn, Dennis C., JOSA 65: 1196; Lipson, S. G., AO 13: 2052
- ; Stachnik, R. V.: Measurements of atmospheric isoplanatism using speckle interferometry (A), JOSA 67: 1391
- ; Stachnik, R. V.: Measurements of atmospheric isoplanatism using speckle interferometry (E), JOSA 68: 169
- ; Stachnik, R. V.: Measurements of the isoplanatic angle using speckle interferometry (A), JOSA 66: 1077
- ; Sprague, Robert A.: Real-time optical correlation (E), AO 14: 2602
- ; Sprague, Robert A.: Real-time optical cross correlation (A), JOSA 64: 1402
- Nishida, M.** See Sekizawa, T., JOSA 67: 709
- ; Fukatsu, K.; Asahara, T.; Ueno, Yoshito; Shimizu, Motoh; Yasugi, T.: Field experiment of PIM-IM optical fiber communication system and its stability against environmental conditions (A), JOSA 67: 709
- Nishida, Nobuo.** See Nakano, Masakazu, AO 18: 3073; Takahashi, S., JOSA 66: 1062  
Bleached phase hologram containing nonsilver metal compound (E) (L), AO 13: 2769
- Nishida, Shigeo.** See Kawakami, Shojiro, AO 14: 2588, AO 15: 1681; Miyagi, Mitsunobu, AO 17: 3238, AO 18: 678, AO 18: 2237, JOSA 68: 316, JOSA 69: 291, JOSA 69: 1373; Nagano, Kuzuo, AO 17: 2080; Ogusu, Kazuhiko, AO 18: 908, AO 18: 3725
- Nishihara, H. Keith**  
—; Marr, David: Three-dimensional shape representation (A), JOSA 67: 1400
- Nishihara, Hiroshi.** See Handa, Yuichi, AO 18: 248; Suhara, Toshiaki, JOSA 69: 807
- ; Handa, Yuichi; Suhara, Toshiaki; Koyama, Jiro: Direct writing of optical gratings using a scanning electron microscope (E), AO 17: 2342
- Nishikata, Masanobu.** See Seko, Atsuya, AO 16: 1272
- Nishimura, H.** See Matoba, M., JOSA 68: 670
- Nishimura, T.** See Aritome, H., JOSA 66: 289
- Nishimura, Y.** See Inagaki, Takefumi, AO 13: 819
- Nishioka, N. S.**  
—; Richards, P. L.; Woody, D. P.: Composite bolometers for submillimeter wavelengths (E), AO 17: 1562
- Nishisaka, Tsuyoshi**  
—; Yonemura, Motoki; Mochida, Haruhiko: Endoscopic holography for medical diagnosis (A), JOSA 68: 1382
- Nissen, Mary Jo.** See Bowen, Richard W., JOSA 69: 581
- Nissley, J.** See DeBell, Arthur G., JOSA 68: 1397, AO 18: 3114
- Nistor, L. C.**  
—; Nistor, S. V.; Teodorescu, V.; Cojocaru, Eva; Mihailescu, I. N.: Calorimetric absorption coefficient measurements using pulsed CO<sub>2</sub> lasers (E), AO 18: 3517
- Nistor, S. V.** See Nistor, L. C., AO 18: 3517
- Nithyanandam, N.**  
—; Rajappan, K. P.: Picture tube for real-time monochrome stereo TV (T) (L), AO 16: 2042
- Nitzberg, R.** See Takken, E. H., AO 18: 4210
- Nix, L. Paul, Jr.** See Simonsic, Gary A., JOSA 68: 544
- Noack, D. B.** See Steel, W. H., AO 16: 778



- Nobis, D.**  
—; Vest, C. M.: Statistical analysis of errors in holographic interferometry (A), JOSA 66: 1085
- ; Vest, C. M.: Statistical analysis of errors in holographic interferometry (T), AO 17: 2198
- Noble, Robert H.**  
Design of a Wright-Cassegrain telescope (A), JOSA 68: 1373
- ; Malacara-Hernandez, Daniel; Cornejo-Rodriguez, Alejandro: Multistep Hindle test (A), JOSA 64: 1377
- ; Malacara-Hernandez, Daniel; Cornejo-Rodriguez, Alejandro: Multistep Hindle test (E) (L), AO 13: 2476
- Noda, H.**  
—; Namioka, T.; Seya, M.: Design of holographic concave gratings for Seya-Namioka monochromators (errata), JOSA 65: 474
- ; Namioka, T.; Seya, M.: Geometric theory of the grating (T), JOSA 64: 1031
- ; Namioka, T.; Seya, M.: Holographic concave gratings for Seya-Namioka monochromators (T), JOSA 64: 1043
- ; Namioka, T.; Seya, M.: Ray tracing through holographic gratings (T), JOSA 64: 1037
- ; Namioka, T.; Seya, M.: Ray tracing through holographic gratings (errata), JOSA 65: 474
- Noda, Hideki.** See Furuta, Hirosuke, AO 13: 322
- Noda, Juichi.** See Uchida, Naoya, AO 15: 455, JOSA 65: 1079
- ; Minakata, Makoto; Saito, Shoichi; Uchida, Naoya: Precise determination of refractive index and thickness in the Ti-diffused LiNbO<sub>3</sub> waveguide (TE), JOSA 68: 1690
- ; Mikami, Osamu; Minakata, Makoto; Fukuma, Masaharu: Single-mode optical-waveguide fiber coupler (E), AO 17: 2092
- ; Zembutsu, Sakae; Fukunishi, Shuzo; Uchida, Naoya: Strip-loaded waveguide formed in a graded-index LiNbO<sub>3</sub> planar waveguide (TE), AO 17: 1953
- Noda, S.** See Naitoh, H., AO 17: 3975
- Nodov, Eugene L.** See Claspay, P. C., AO 15: 1506
- Moiré-holography method for measuring inhomogeneous distributions of refractive index (T) (L), AO 13: 1551
- Optimization of resonant cell design for optoacoustic gas spectroscopy (H-type) (ET), AO 17: 1110
- Noga, E. A.** See Szentesi, O. I., AO 13: 2458
- Noguchi, Shigeo.** See Esho, Sotaro, AO 13: 779
- Noguchi, T.** See Tanemura, S., JOSA 67: 251, JOSA 67: 251
- Nokes, Mark A.** See Hill, Bruce C., JOSA 68: 1390
- ; Hill, Bruce C.: Laser heterodyne interferometer for measuring biological motions. I. Optical system with fiber-optical probe (A), JOSA 68: 1390
- Nolan, D. A.** See Borrelli, N. F., JOSA 68: 1395, JOSA 69: 1514; Olshansky, Robert, AO 15: 1045, AO 16: 1639
- Nolen, R. L., Jr.** See Solomon, D. E., JOSA 68: 545
- ; Schneggenburger, R. G.; Doletzky, N. E.; Lennon, P. J.; Solomon, D. E.: Determination of gases contained in laser fusion targets (A), JOSA 68: 544
- ; Downs, R. L.; Miller, W. J.; Ebner, M. A.; Doletzky, N. E.; Solomon, D. E.: Fabrication of glass shells (A), JOSA 68: 544
- Noll, Robert J.**  
Imaging through the atmosphere, SPIE/SPSE Technical Symposium East: seminar 1, 21-23 Mar 1976 (M), AO 15: 1663
- Phase estimates from slope-type wave-front sensors (T) (L), JOSA 68: 139
- Zernike polynomials and atmospheric turbulence (T), JOSA 66: 207
- Nolt, I. G.** See Kuhn, Peter M., OL 3: 130
- Nomarski, Georges**  
Partial coherent at polarization interferometers using a high-order birefringent plate instead of a half-wave plate (A), JOSA 68: 1391
- Simple method for reducing the depth of focus (A), JOSA 65: 1166
- Tunable Sagnac-type interferometer using polarized lights (A), JOSA 67: 1385
- Wave-front reconstruction from variable shear interferometry (A), JOSA 69: 1454
- Nomiyama, N. A.** See Peters, W. N., AO 16: 2623
- Nomiyama, N. T.** See Gurski, G. F., JOSA 67: 345
- Nomura, H.**  
—; Okoshi, Takanori: Storage density limitation of a volume-type hologram memory: theory (TE), AO 15: 550
- Nomura, Hiroshi**  
—; Okada, Takeshi; Oikawa, Shigeru; Shimada, Junichi: Fiber optic sheets of ridged polymer films (E), AO 14: 586
- Nomura, Yoshinori.** See Nunoshita, Masahiro, OL 4: 27
- ; Nunoshita, Masahiro; Nakayama, Takashi: Efficiency of thin-film acoustooptic light deflectors for a Gaussian guided optical beam (ET), AO 16: 2729
- Nonaka, Mamoru.** See Kinameri, Kanji, AO 13: 1270, AO 18: 135
- Nonaka, S.** See Takahashi, K., JOSA 67: 708
- Noordam, J. E.** See Hamaker, J. P., JOSA 67: 1122
- Nordal, P. E.** See Kjelaas, Anton G., AO 17: 277
- Nordling, C.** See Alvarez, E., OL 4: 268
- Nordstrom, R. J.** See Peterson, J. C., AO 15: 2974, AO 18: 834; Skinner, W. R., AO 15: 2616
- ; Thomas, M. E.; Peterson, J. C.; Damon, E. K.; Long, Ronald K.: Effects of oxygen addition on pressure-broadened water-vapor absorption in the 10- $\mu$ m region (E), AO 17: 2724
- ; Skinner, W. R.; Shaw, John H.; Chan, W. H.; Calvert, J. G.; Uselman, W. M.: Long path air spectra (E) (L), AO 16: 1477
- Noreland, T.** See Alvarez, E., OL 4: 268
- Norimatsu, T.** See Yamanaka, C., JOSA 68: 543
- Norman, Scott L.**  
—; Singh, M. P.: Spectral sensitivity and linearity of Shipley AZ-1350J photoresist (A), JOSA 64: 1394
- ; Singh, M. P.: Spectral sensitivity and linearity of Shipley AZ-1350J photoresist (E) (L), AO 14: 818
- Normand, D.** See Morelle, J., AO 18: 141
- Normandin, R.** See Rowell, N. L., JOSA 68: 1373; So, V. C. Y., JOSA 69: 1166
- ; Stegeman, George I.: Nondegenerate four wave mixing in integrated optics (A), JOSA 69: 372
- ; Stegeman, George I.: Nondegenerate four-wave mixing in integrated optics (E), OL 4: 58
- ; So, V. C. Y.; Rowell, N. L.; Stegeman, George I.: Scattering of guided optical beams by surface acoustic waves in thin films (T), JOSA 69: 1153
- Norris, H.** See McClellan, C., AO 18: 3984
- North, J. C.**  
Handling optical cables: safety aspects; comments (T) (L), AO 17: 1987
- Northam, D. B.** See O'Neil, R. W., AO 13: 314; Phillips, E. A., AO 15: 2159; Pugh, E. R., AO 13: 2512
- ; Mack, M. E.; Itzkan, I.: Unstable resonator mode control in a transverse flow dye laser (ET), AO 17: 931
- Northam, G. Burton.** See Remsberg, Ellis E., JOSA 67: 259
- ; Rosen, James M.; Melfi, S. Harvey; Pepin, T. J.; McCormick, M. Patrick; Hofmann, D. J.; Fuller, William H., Jr.: Dustsonde and lidar measurements of stratospheric aerosols: a comparison (E), AO 13: 2416
- Northam, O. B.** See Mack, M. E., JOSA 66: 1108
- Norton, M. A.** See Berthold, John W., III, AO 15: 1898
- Norton, Paul.** See Kruse, Paul W., JOSA 67: 1424
- Far-IR photoconductivity in silicon doped with shallow donor impurities (A), JOSA 67: 253
- Norton, Robert E.** See Gordon, K. S., AO 16: 2372, AO 16: 2774; Rawson, Eric G., JOSA 64: 1401, JOSA 66: 176, JOSA 66: 1290
- Norton, Robert H.**  
—; Beer, Reinhard: New apodizing functions for Fourier spectrometry (T), JOSA 66: 259
- ; Beer, Reinhard: New apodizing functions for Fourier spectrometry (errata), JOSA 67: 419
- Nosov, V. V.** See Mironov, V. L., JOSA 67: 1073
- Nourie, D.** See McClellan, C., AO 18: 3984
- Novaco, J. C.** See Hillman, J. J., OL 1: 81
- Novak, Stanley.** See Van Esen, John S., JOSA 64: 726
- Novakov, T.** See Rosen, H., JOSA 67: 258, AO 17: 3859; Yasa, Zafer, AO 18: 2528
- Nowak, A. V.** See Czuchlewski, S. J., OL 2: 39; Montgomeri, M. D., JOSA 68: 543
- ; Czuchlewski, S. J.; Figueira, J. F.; Foley, Edward: Development of broadband gas isolator mixes for high-power CO<sub>2</sub> lasers (A), JOSA 68: 543
- Nowakowski, Rod W.**  
Low Vision, A Symposium Marking the Twentieth Anniversary of The Lighthouse Low Vision Service. Edited by Eleanor E. Faye and Clare M. Hood (B), JOSA 66: 979
- Noyola-Isgleas, Arturo**  
Geometrical optics and dynamic programming (T), JOSA 66: 60
- Nubbemeyer, H.**  
—; Wende, B.: Instrumental functions of a 5-m echelle spectrometer with diffraction-limited resolving power (E), AO 16: 2708
- Nuckolls, John H.** See Rosen, M. D., JOSA 68: 549; Wood, Lowell L., JOSA 64: 556
- Inertial confinement fusion targets (A), JOSA 68: 542
- Nudelman, S.**  
—; Roehrig, H.; Capp, M. P.: Electro-optical imaging in diagnostic radiology (A), JOSA 66: 381
- Nugent, L. J.** See Sluis, K. L. Vander, JOSA 64: 687
- Nunoshita, Masahiro.** See Naitoh, H., AO 16: 2546; Nomura, Yoshinori, AO 16: 2729
- ; Nomura, Yoshinori; Matsui, Teruhito; Nakayama, Takashi: Optical switch for multimode optical-fiber systems (E), OL 4: 27
- Nurmikko, A. V.** See Jamison, S. A., JOSA 66: 1073, JOSA 68: 667
- Fundamental absorption edge in laser window CdTe (E), AO 14: 2662
- Nussbaum, Allen**  
Matrix methods in geometrical optics: the last word (L), AO 18: 1841
- Teaching of advanced geometric optics (L), AO 17: 2128
- Nussenzeig, H. M.**  
Complex angular momentum theory of the rainbow and the glory (T), JOSA 69: 1068
- Complex angular momentum theory of the rainbow and the glory (T), JOSA 69: 1193
- Nussmeier, T. A.** See Bridges, William B., AO 13: 291; Goodwin, F. E., JOSA 66: 388; Pearson, James E., AO 15: 611
- ; Brewer, Silas H.: Program for numerical analysis of optical-heterodyne communication systems (A), JOSA 64: 521
- Nutter, M. J.** See Parker, J. V., JOSA 66: 387
- Nyce, A. C.**  
—; Skolnick, L. P.: Optical constants of bulk and thin-film aluminum at 6328 (E), JOSA 65: 792
- Nygaard, Rolf W.** See Frumkes, Thomas E., JOSA 65: 1205
- ; Frumkes, Thomas E.: Frequency-band dependency of scotopic flicker sensitivity (A), JOSA 68: 1439
- Nystroem, K.** See Fredriksson, K., AO 18: 2998
- Nyssonen, Diana.** See Kintner, Eric C., JOSA 67: 1367
- ; Kintner, Eric C.: Contrast enhancement in partially coherent imaging (A), JOSA 67: 1366
- Linewidth measurement with an optical microscope: the effect of operating conditions on the image profile (ET), AO 16: 2223
- Weak Bragg diffraction in propagation of a focused beam through an inhomogeneous thin layer (A), JOSA 65: 1167
- O, Chun-Sing**  
—; Fueleop, G. F.; Stroke, H. H.: Multiple-scanning photoelectric detection system for high-resolution spectroscopy (A), JOSA 66: 1124
- Oaks, Susan M.** See Laing, Ronald A., AO 15: 1276; Olshansky, Robert, JOSA 67: 707, AO 17: 1830
- Oania, C. M.** See Yao, S. K., AO 18: 4067
- Obara, M.**  
—; Okuno, T.; Sumida, S.; Ikeda, R.; Fujioka, T.; Fujimoto, R.: X-ray preionized high-pressure gas lasers (A), JOSA 68: 668
- O'Brien, J. T.**  
—; Limm, A. C.; Hughes, F. R.: Recent developments in injection lasers (A), JOSA 66: 383
- O'Brien, R. J.** See Hard, T. M., AO 18: 3216
- O'Brien, R. N.**  
—; Hyslop, W. F.: Long path Fabry-Perot interferometers for condensed phases: a note on their design (T) (L), AO 15: 2963
- O'Callaghan, Fred G.**  
—; Henize, Karl G.; Wray, James D.: Skylab ultraviolet stellar astronomy experiment S019 (E), AO 16: 973



- Ochs, Alfred L.**  
Is Fourier analysis performed by the visual system or by the visual investigator (T), JOSA 69: 95
- ; **Peinado, Rolando E.**: Two-dimensional analysis of retinal information transfer (T), JOSA 65: 842
- Ochs, G. R.**: See Clifford, S. F., JOSA 64: 1390, AO 14: 2844, JOSA 64: 148; Hill, R. J., AO 17: 3608; Wang, Ting-i, AO 13: 2602, JOSA 68: 334
- ; **Wang, Ting-i**: Finite aperture optical scintillometer for profiling wind and  $C_n^2$  (ET), AO 17: 3774
- ; **Clifford, S. F.**: Wang, Ting-i: Laser wind sensing: the effects of saturation of scintillation (TE), AO 15: 403
- ; **Wang, Ting-i**; **Lawrence, Robert S.**; **Clifford, S. F.**: Refractive-turbulence profiles measured by one-dimensional spatial filtering of scintillations (TE), AO 15: 2504
- O'Connor, P. B.**: See Kaminow, Ivan P., JOSA 67: 709
- O'Connor, Paul**  
—; **Tauc, Jan**: Light scattering in optical waveguides (T), AO 17: 3226
- Oda, T.**: See Sasaki, T., AO 16: 3115
- O'Dell, E. W.**: See Walling, John C., JOSA 69: 373, OL 4: 182
- Odell, Gerard B.**  
Photodynamic action of bilirubin on erythrocytes (A), JOSA 64: 537
- O'Donnell, K. A.**: See Dainty, J. Christopher, JOSA 69: 1441
- O'Donovan, Philip L.**  
—; **Lind, Larry F.**: Proximal scanning systems: improved resolution using inclined optical fibers (T), AO 15: 1299
- Oe, K.**: See Kawana, Akio, OL 2: 106
- Oehler, R.**  
—; **Spillman, L.**: Simultaneous color contrast in colored Hermann grids of equal lightness and saturation (A), JOSA 68: 1399
- Oehrlie, Robert C.**: See Heinz, Robert A., JOSA 66: 381  
Galvanometer beam-scanning system for laser fiber drawing (E), AO 18: 496
- Oertel, H., Jr.**  
—; **Kirchartz, K. R.**: Laser-anemointerferometer for simultaneous measurements of velocity and density (E) (L), AO 17: 3536
- Oestlund, Leif A.**  
—; **Biedermann, Klaus**: Laser speckle reduction: equivalence of the moving aperture method and incoherent spatial filtering (TE), AO 16: 685
- Oettinger, P. E.**  
—; **McClellan, Rolf P.**: High-power laser refractory metal mirrors made of thoriated tungsten (E) (L), AO 15: 16
- Offenberger, A. A.**: See Strilchuk, A. R., AO 13: 2643
- Offner, Abe.**: See Montagnino, Lucian A., JOSA 68: 1417  
Method for obtaining a flat field with Rosin-Amon tilted plate correctors (T) (L), AO 13: 242  
Reflecting null correctors for conicoid mirrors (A), JOSA 64: 565
- Ogasawara, Ichiro.**: See Sato, Takuso, AO 15: 851
- Ogawa, Hiroshi.**: See Sato, Takuso, AO 13: 1280
- Ogawa, K.**  
—; **McCormick, A. R.**: Multimode fiber coupler (ET), AO 17: 2077  
Multimode fiber coupler—theory and experiment (A), JOSA 67: 708
- Ogilvie, K. W.**: See Abbas, M. M., AO 15: 961
- Ogiwara, Haruo.**: See Ohmori, Yutaka, AO 17: 3531; Yamamoto, Hisao, AO 17: 3675  
Laser Doppler velocimeter with a differential photodiode array (TE), AO 18: 1533
- ; **Yamamoto, Hisao**: Optical waveguide switch ( $3 \times 3$ ) for an optical switching system (T), AO 17: 1182  
Optical waveguide  $3 \times 3$  switch: theory of tuning and control (T), AO 18: 510
- Ogland, J. W.**  
Mirror system for uniform beam transformation in high-power annular lasers (T), AO 17: 2917
- Ogle, J. W.**: See Lin, C.-H., JOSA 68: 1383
- Ogrodnik, Robert F.**: See Asher, Robert B., JOSA 67: 350  
Adaptive control theory applied to active optics (A), JOSA 65: 1213
- ; **Asher, Robert B.**: Adaptive optics—closed-loop estimation and predictive control considerations (U) (A), JOSA 66: 392
- Ogura, Iwao.**: See Suzuki, Kenji, AO 18: 3866
- Ogusu, Kazuhiko**  
—; **Kawakami, Shojiro**; **Nishida, Shigeo**: Optical strip waveguide: an analysis (T), AO 18: 908
- ; **Kawakami, Shojiro**; **Nishida, Shigeo**: Optical strip waveguide: an analysis (errata), AO 18: 3725
- Ohara, Seiji.**: See Tsuchiya, Haruhiko, AO 16: 1323
- Oharek, Frank J.**: See Mohon, Neil, JOSA 68: 1416; Rosendahl, Gottfried R., JOSA 66: 79
- Ohashi, Masaharu.**: See Miyagi, Mitsunobu, AO 17: 3238
- Ohji, Misao.**: See Ohtsu, Motoichi, JOSA 69: 1458
- ; **Akimoto, Yoshiaki**: Profile measurements of  $\text{CH}_4$  saturated absorption using  $\text{CH}_4$  stabilized laser spectrometer (A), JOSA 68: 1403
- Ohlhaber, Ronald L.**  
Vacuum UV performance of silicon detectors (E) (L), AO 16: 14
- Ohlmann, R. C.**  
1-Gbps laser communications using a QPSK subcarrier (A), JOSA 64: 520
- Ohmer, Melvin C.**: See Boord, W. T., JOSA 68: 1418  
Design of three-layer equivalent films (T) (L), JOSA 68: 137
- Ohmi, Masao**  
—; **Ikedo, Mitsuo**: Receptive field properties investigated by two stimuli method (A), JOSA 68: 1454
- Ohmori, Yutaka.**: See Horiguchi, M., AO 18: 2223
- ; **Ogiwara, Haruo**: Optical fiber switch driven by PZT bimorph (E) (L), AO 17: 3531
- Ohnishi, Kazuo.**: See Yokozeki, Shunsuke, AO 14: 623
- Ohnishi, Yasushi.**: See Anacreon, Robert E., AO 14: 2921
- Ohta, Noboru.**: See Stiles, W. S., JOSA 67: 779
- ; **Wyszecki, Gunter**: Color changes caused by specified changes of the illuminant (A), JOSA 65: 1174
- ; **Wyszecki, Gunter**: Colorimetric significance of emission lines in illuminants (A), JOSA 65: 1175
- ; **Wyszecki, Gunter**: Colorimetric significance of mercury-emission lines in fluorescent lamps (T), JOSA 65: 1354
- ; **Wyszecki, Gunter**: Designing illuminants that render given objects in prescribed colors (T), JOSA 66: 269
- ; **Wyszecki, Gunter**: Extreme errors of numerical integrations in colorimetric calculations (T), JOSA 65: 834  
Generating metameric object colors (T) (L), JOSA 65: 1081  
Nonlinear optimization; some applications to colorant formulations (T), AO 14: 1452
- ; **Wyszecki, Gunter**: Theoretical chromaticity-mismatch limits of metamers viewed under different illuminants (T), JOSA 65: 327
- ; **Wyszecki, Gunter**: Theoretical chromaticity-mismatch limits of metamers due to a change from CIE illuminant  $D_{65}$  to C (T) (L), JOSA 65: 1152
- Ohta, Y.**: See Takahashi, S., JOSA 66: 1062
- Ohtsu, Motoichi**  
—; **Tako, Toshiharu**: Characteristics of saturated absorption in formaldehyde and its application to the frequency stabilization of a  $3.51 \mu\text{m}$  He-Xe laser (A), JOSA 68: 650
- ; **Koyama, Ryohei**; **Tako, Toshiharu**: Performances of a frequency-offset-locked He-Xe laser at  $3.51 \mu\text{m}$  (A), JOSA 69: 1458
- ; **Katsuragi, Seiichi**; **Tako, Toshiharu**; **Ohi, Misao**; **Akimoto, Yoshiaki**: Wavelength measurement of an  $\text{H}_2\text{CO}$ -stabilized He-Xe laser at  $3.51 \mu\text{m}$  (A), JOSA 69: 1458
- Ohtsubo, Junji**  
—; **Asakura, Toshimitsu**: Speckle patterns and entropy (A), JOSA 66: 176
- ; **Asakura, Toshimitsu**: Statistical properties of laser speckle produced in the diffraction field (TE), AO 16: 1742
- ; **Asakura, Toshimitsu**: Statistical properties of the sum of partially developed speckle patterns (T), OL 1: 98
- Ohtsuka, Yasuji**  
—; **Shimizu, Yutaka**: Radial distribution of the refractive index in light-focusing rods: determination using Interphako interference microscopy (ET), AO 16: 1050
- Ohtsuka, Yoshihiro**  
Design consideration for a 3-D laser Doppler velocimeter for studying gravity waves in shallow water: comments on (T) (L), AO 13: 715
- ; **Imai, Yoh**: Diffraction spectrum of light transmitted by a superimposed ultrasonic wave and diffuser (TE), JOSA 69: 963
- ; **Imai, Yoh**: Laser heterodyne correlation processing of optical thickness irregularities in transparencies (E), AO 17: 3402
- ; **Imai, Yoh**: Partial coherence controlled by a progressive ultrasonic wave (TE), JOSA 69: 684  
Proposal for the determination of the complex degree of spatial coherence (T), OL 1: 133
- ; **Itoh, Kazuyoshi**: Two-frequency laser interferometer for small displacement measurements in a low frequency range (ET), AO 18: 219
- Ohyama, T.**: See Otsuka, E., JOSA 67: 931
- Oikawa, Shigeru.**: See Kurokawa, Takashi, AO 16: 1033, AO 17: 646; Nomura, Hiroshi, AO 14: 586
- Ojeda-Castaneda, J.**: See Guel-Sandoval, S., AO 18: 950
- ; **Berriel-Valdos, L. R.**: Classification scheme and properties of schlieren techniques (ET), AO 18: 3338  
Edge filters for phase contrast imagery. 1: Theoretical design (T) (L), AO 18: 2355
- ; **Guel-Sandoval, S.**: Generalized holographic formation of a lensless Fourier transform. 1: Different geometries (T) (L), AO 18: 3550
- Oka, Takeshi.**: See Arimondo, E., JOSA 68: 647; Bernard, P., JOSA 67: 1440  
Infrared-radiofrequency double resonance (A), JOSA 69: 1397  
Two-photon and Stark Lamb dips (A), JOSA 64: 1380
- Okada, J.**: See Matsuoka, M., JOSA 68: 707
- Okada, M.**: See Hamasaki, Joji, AO 16: 1675; Higuchi, H., AO 16: 1777
- Okada, Masakatsu.**: See Takizawa, Kuniharu, AO 18: 3148
- ; **Takizawa, Kuniharu**; **Ieiri, Shogo**: Tilted birefringent Fabry-Perot etalon for tuning dye lasers (TE), AO 15: 472
- ; **Shimizu, Satoshi**; **Ieiri, Shogo**: Tuning of a dye laser by a birefringent Fabry-Perot etalon (TE), AO 14: 917
- Okada, Takeshi.**: See Kurokawa, Takashi, AO 17: 646; Nomura, Hiroshi, AO 14: 586
- Okada, Tatsuo.**: See Maeda, Mitsuo, JOSA 68: 667
- Okada, Y.**: See Otsuka, E., JOSA 67: 931
- Okamoto, E.**  
—; **Ikeo, H.**; **Muto, K.**: Holographic storage in U-doped  $\text{LiNbO}_3$  (E), AO 14: 2453
- Okamoto, Katsunari**  
Comparison of calculated and measured impulse responses of optical fibers (TE), AO 18: 2199
- Okamoto, N.**: See Yamada, R., JOSA 67: 96
- Okamura, Koji.**: See Akamatsu, Takeshi, JOSA 67: 706
- Okamura, Y.**  
—; **Yamamoto, S.**; **Makimoto, T.**: Wave propagation in semileaky-type anisotropic thin-film optical waveguides (T), JOSA 67: 539
- Okayama, Hiroshi.**: See Genda, Hidesaburo, AO 16: 601, AO 17: 807, AO 17: 3439
- O'Keefe, J. D.**  
—; **Johnson, Ronald L.**: Optical response of high-power laser windows—ultrashort pulse regime (T), AO 13: 1141
- O'Keefe, T. W.**: See Yoldas, B. E., AO 18: 3133
- Okoshi, Takanori.**: See Hotate, Kazuo, AO 18: 3265; Nomura, H., AO 15: 550; Oshima, K., AO 18: 469
- ; **Hotate, Kazuo**: Projection-type white-light reconstruction of 3-D images from a strip-shaped hologram (ET), AO 14: 3078
- ; **Hotate, Kazuo**: Refractive-index profile of an optical fiber: its measurement by the scattering-pattern method (ET), AO 15: 2756
- ; **Oshima, K.**: Three-dimensional imaging from a unidirectional hologram: wide-viewing-zone projection type (ET), AO 15: 1023
- Okuda, Masahiro.**: See Matsushita, Tatsuhiko, JOSA 66: 1069; Sasano, Y., AO 18: 3908; Takeuchi, N., AO 17: 2734
- ; **Matsushita, Tatsuhiko**; **Yamagami, Teichi**; **Yamamoto, Koichi**: Highly sensitive light-induced memory effect with amorphous  $\text{Se-SnO}_2$  heterojunction (E), AO 13: 799
- ; **Murata, Kiyoshi**; **Oonaka, Kiyoshi**: Threshold gain and mode selectivity of distributed Bragg-reflector laser (A), JOSA 65: 1221



- Okuno, T.** See Obara, M., JOSA 68: 668
- Oldenborg, R. C.** See Rice, W. W., JOSA 68: 687; Wampler, F. B., OL 4: 143
- Oldenburg, D. W.**
- ; Samson, J. C.: Inversion of interferometric data from cylindrically symmetric, reflectionless plasmas (T), JOSA 69: 927
- Oldham, Lloyd P.**
- ; Atkins, Harry L.: Photographic film and the Skylab environment (E), AO 16: 1002
- Olenick, R. W.** See Sutherland, K. K., AO 13: 1345
- Olesky, S. J.** See Turner, J. L., AO 16: 504
- Oleson, J. R.**
- ; Zanon, C. A.; Hill, H. A.; Healy, A. W.; Clayton, P. D.; Patz, D. L.: SCLERA: an astrometric telescope for experimental relativity (E), AO 13: 206
- Oliner, A. A.**
- ; Peng, S. T.: Effects of metal overlays on 3-D optical waveguides (T) (L), AO 17: 2866
  - ; Peng, S. T.: Optical slot and strip waveguides formed by metal platings (A), JOSA 66: 288
- Oliver, C. J.**
- ; Pike, E. R.: Multiplex advantage in the detection of optical images in the photon noise limit (TE), AO 13: 158
  - Optical image processing by multiplex coding (TE), AO 15: 93
- Oliver, Donald S.**
- Flatbed laser scanner/recorder (24 × 36) for lithographic platemaking (A), JOSA 66: 379
- Oliver, R. E.** See Smith, J. A., AO 13: 1599
- Olsen, John N.** See Farnsworth, Archie V., Jr., JOSA 68: 549
- Olsen, Steven L.** See Farrow, Michael M., AO 17: 1093
- Olshansky, Robert**
- ; Oaks, Susan Mimura: Differential mode attenuation measurements in graded-index fibers (E), AO 17: 1830
  - Distortion losses in cabled optical fibers (T) (L), AO 14: 20
  - Effect of the cladding on pulse broadening in graded-index optical waveguides (T), AO 16: 2171
  - Leaky modes in graded index optical fibers (T), AO 15: 2773
  - ; Oaks, Susan Mimura; Keck, Donald B.: Measurement of differential mode attenuation in graded-index fiber optical waveguides (A), JOSA 67: 707
  - Mode coupling effects in graded-index optical fibers (T), AO 14: 935
  - ; Nolan, D. A.: Mode dependent attenuation in parabolic optical fibers (T), AO 16: 1639
  - ; Nolan, D. A.: Mode-dependent attenuation of optical fibers: excess loss (T), AO 15: 1045
  - Multiple- $\alpha$  index profiles (T), AO 18: 683
  - Pulse broadening caused by deviations from the optimal index profile (T), AO 15: 782
  - ; Keck, Donald B.: Pulse broadening in graded-index optical fibers (TE), AO 15: 483
  - Wavelength dependence of pulse dispersion in graded-index fibers (A), JOSA 69: 1457
- Olson, Valerie F.**
- Measurement of transmission of infrared lenses (E) (L), AO 13: 469
- Olsson, A.** See Blit, S., OL 4: 245
- Olzak, Lynn A.**
- Detection of a complex grating and discrimination of its components (A), JOSA 69: 1444
- O'Meara, T. R.** See Bridges, William B., JOSA 64: 541, AO 13: 291; Kokorowski, S. A., JOSA 66: 635, JOSA 68: 1385; Pearson, J. E., JOSA 65: 1212
- ; Szejn, R. M.; Pearson, James E.: Characteristics of multidither COAT systems employing continuous-surface deformable mirrors (A), JOSA 66: 392
  - Comparison of conventional and nonlinear phase conjugation (A), JOSA 69: 1466
  - Multidither principle in adaptive optics (T), JOSA 67: 306
  - Stability of an  $N$ -loop ensemble-reference phase control system (T), JOSA 67: 315
  - Theory of multidither adaptive optical systems operating with zonal control of deformable mirrors (T), JOSA 67: 318
  - Wave-front-error compensation with pseudo-conjugation techniques (A), JOSA 69: 1466
- Omenetto, Nicola.** See Boutilier, G. D., AO 17: 2291, AO 17: 3482, AO 18: 607, AO 18: 607
- Physical Methods in Modern Chemical Analysis. Edited by T. Kuwana (B), AO 18: 2766
- O'Neal, William C.**
- Focusing lenses for the 20-beam fusion laser, Shiva (A), JOSA 66: 388
- O'Neil, B. D.** See Avizonis, P. V., AO 17: 1527
- O'Neil, R. W.**
- ; Kleiman, H.; Marquet, L. C.; Kilcline, C. W.; Northam, D. B.: Beam diagnostics for high energy pulsed CO<sub>2</sub> lasers (E), AO 13: 314
  - ; Dickey, D. H.; Ferdinand, A. P.; Pettingill, L. C.; Zwicker, H. R.: Thermal blooming of a multiply pulsed laser in a uniform cross wind (A), JOSA 65: 1191
- O'Neill, E. L.** See Freniere, E. R., JOSA 69: 634
- ; Walther, Adriaan: Problem in the determination of correlation functions (T) (L), JOSA 67: 1125
  - ; Walther, Adriaan: Problem in the determination of correlation functions (errata), JOSA 68: 277
- O'Neill, James A.** See Donnelly, Keith E., JOSA 67: 1384
- O'Neill, P.**
- ; Doland, C.; Ignatiev, A.: Structural composition and optical properties of good solar blacks: gold black (A), JOSA 67: 252
  - ; Doland, C.; Ignatiev, A.: Structural composition and optical properties of solar blacks: gold black (TE), AO 16: 2822
- O'Neill, P. K.** See Wyant, James C., AO 13: 1549, AO 13: 2762
- Ono, H.**
- Additivity of saccadic motions with other ocular motions (A), JOSA 67: 1414
- Ono, Yuzo.** See Esho, Sotaro, AO 13: 779; Takahashi, S., JOSA 66: 1062
- Onoda, Sei-ichi.** See Tanaka, Toshiaki P., AO 15: 1121
- ; Tanaka, Toshiaki P.; Sumi, Masao: W fiber design considerations (T), AO 15: 1930
- Oogi, Nagamitsu.** See Ueno, Yoshito, JOSA 66: 390
- Oona, Henn**
- ; Bickel, William S.: Charge-state determination of beam-foil spectral lines (E) (L), JOSA 66: 278
- Oonaka, Kiyoshi.** See Okuda, Masahiro, JOSA 65: 1221
- Ooya, T.**
- ; Tateiba, M.; Fukumitsu, Otozo: Transmission and reflection of a Gaussian beam at normal incidence on a dielectric slab (T), JOSA 65: 537
- Ophir, Zohar**
- ; Even, Uzi; Raz, Baruch; Jortner, Joshua: Pulsed high-pressure lamp for the vacuum ultraviolet (E), JOSA 64: 1175
- Oppenheim, Uri P.** See Devir, Adam D., AO 16: 2757; Kaufman, Yoram J., AO 13: 374, AO 16: 1187, AO 16: 1931
- Oreg, J.** See Klapisch, M., JOSA 67: 148
- Orel, A.** See Bender, C. F., JOSA 68: 548
- Orens, J. H.** See Boris, J. P., JOSA 68: 549
- Orinstein, Nathan.** See Elbaum, Marek, JOSA 69: 1443
- Orioli, A.** See Cali, C., AO 15: 1327
- Orloff, Kenneth L.** See Adrian, Ronald J., AO 16: 677, AO 16: 2358
- Ornstein, Michael H.**
- ; Derr, Vernon E.: Dye-laser scanning spectroscopy and fluorescence-quenching cross sections for the B<sup>2</sup>Π<sub>ou</sub> state of iodine (E), JOSA 66: 233
  - ; Derr, Vernon E.: Prepulse enhancement of flashlamp pumped dye laser (ET), AO 13: 2100
- Orofino, T. A.**
- ; Unterleitner, F. C.: Optical fibers for dispersion in the time domain (T) (L), AO 15: 1907
- Ors, J.** See Bethune, D. S., JOSA 68: 1639
- Orszag, A. G.** See Bourdet, G. L., AO 18: 225; Pourny, J. C., AO 18: 1141
- Ortega-Martinez, Roberto**
- Optical design of an infrared spectrophotometer (A), JOSA 69: 1427
- Orth, C. D.** See Buffington, Andrew, JOSA 67: 304
- Orville, Richard E.**
- ; Helsdon, John H., Jr.: Pseudo color densitometer analysis—the Apollo 17/Saturn V exhaust plume (E) (cover, Oct), AO 13: 2197
- Osada, Hidenori.** See Gamo, Hideya, JOSA 66: 1076, JOSA 68: 1388
- Osaka, Naoyuki**
- Brightness exponent for the periphery in the Bloch region (E) (L), JOSA 68: 140
- Osantowski, John F.** See Hass, Georg, AO 14: 2639; Heaney, J. B., JOSA 64: 1384, JOSA 65: 1215, AO 16: 1886
- ; Toft, Albert R.: Extreme ultraviolet reflectance of optically polished electroless nickel (A), JOSA 66: 1119
- ; Hunter, W. R.; Hass, Georg: Optical constants for iridium films from 40 to 0.03 μm (A), JOSA 64: 1383
- ; Toft, Albert R.: Reflectance and optical constants for ULE from 250 to 3000 Å (A), JOSA 65: 1169
- Reflectance and optical constants for Cer-Vit from 250 to 1050 Å (E), JOSA 64: 834
- Osborn, Dale B.**
- Wide-band tunable continuous Nd:YAG laser (A), JOSA 64: 553
- Osborne, A.** See Cherin, Allen H., AO 16: 1464
- Osbourne, Gordon C.** See Jordan, Ray E., Jr., JOSA 65: 1170; Querry, Marvin R., JOSA 64: 530, JOSA 65: 1170, AO 17: 353
- Oscar, S.** See Janai, M., OL 2: 51
- Osche, Gregory R.**
- Collisional contributions to the dynamic Stark effect in coherently driven three-level systems (T), JOSA 68: 1293
- Ose, Teruji.** See Kubota, T., AO 15: 556; Kubota, Toshihiro, OL 4: 289, AO 18: 2538; Suzuki, Kenji, AO 18: 3866; Takeda, Mitsuo, JOSA 65: 502
- Osgood, R. M., Jr.** See Deutsch, T. F., OL 4: 378; Ehrlich, D. J., JOSA 68: 711, JOSA 69: 1461, OL 4: 184
- ; Ehrlich, D. J.; Deutsch, T. F.: Excimer excitation of lasers via bound-free and free-bound transitions (A), JOSA 69: 1449
- O'Shea, Donald C.**
- Applied optics curriculum at Georgia Tech (A), JOSA 67: 1377
  - Applied optics curriculum at Georgia Tech (L), AO 17: 501
  - ; Foscu, Robert T.: Detecting stray mirrors in a large array of mirrors (A), JOSA 69: 1408
  - Inexpensive modifications to an Ealing modulation transfer function analyzer (A), JOSA 68: 1363
  - Lensless real-image camera (A), JOSA 66: 1125
  - Lensless real-image camera (E), AO 16: 2706
  - ; Dodge, Lee G.: NO<sub>2</sub> concentration measurements in an urban atmosphere using differential absorption techniques, AO 13: 1481
- Oshima, K.** See Okoshi, Takanori, AO 15: 1023
- ; Okoshi, Takanori: Synthesis of an autostereoscopic 3-D image from binocular stereoscopic images (ET), AO 18: 469
- Oshio, Takanori.** See Ishiguro, Eiji, JOSA 69: 1530; Iwanaga, Ryoichi, JOSA 69: 1538
- Osterberg, Harold.** See Mahan, A. I., JOSA 65: 1168
- Ostermayer, F. W., Jr.**
- ; Benson, W. W.: Integrating sphere for measuring scattering loss in optical fiber waveguides (E), AO 13: 1900
  - ; Pinnow, D. A.: Optimum refractive-index difference for graded-index fibers, due to concentration-fluctuation scattering (A), JOSA 64: 527
- Ostrem, John S.** See Gamo, Hideya, JOSA 65: 29; Peppers, Norman A., AO 17: 3450
- ; Gamo, Hideya: Determination of laser parameters from saturated-gain measurements for a partially homogeneously broadened laser amplifier (A), JOSA 64: 562
- Ostrowsky, D. B.**
- Telecommunications Optiques: Introduction a l'Optique Integree, Par Clair, J.-J. (B), AO 17: 3853
- Ostrowsky, D. B.**
- ; Papuchon, M.; Roy, A. M.; Trotel, J.: Fabrication of integrated optical elements using a computer-controlled electron beam (E), AO 13: 636
  - Optics of Guided Waves, Colloquium, Paris, 8-11 Apr 1975 (M), AO 14: 1473
- O'Sullivan, G.** See Carroll, P. K., OL 2: 72
- O'Sullivan, J. D.** See Hamaker, J. P., JOSA 67: 1122
- Otis, Gabriel.** See Lachambre, J.-L., JOSA 67: 1403, AO 17: 1015; Lavigne, P., JOSA 67: 1404, OL 2: 127
- Application of the boundary-diffraction-wave theory to Gaussian beams (A), JOSA 64: 527
  - Application of the boundary-diffraction-wave theory to Gaussian beams (T), JOSA 64: 1545
  - ; Lachambre, J.-L.; Lit, John W. Y.; Lavigne, P.: Diffracted waves in the shadow boundary region (T), JOSA 67: 551
  - ; Lit, John W. Y.: Edge-on diffraction of a Gaussian laser beam by a semi-infinite plane (TE), AO 14: 1156



- ; Lit, John W. Y.: Existence of the cone formed by diffracted rays (A), JOSA 64: 1404
- ; Lachambre, J.-L.; Lavigne, P.: Focusing of laser beams by a sequence of irises (A), JOSA 67: 1438
- ; Lachambre, J.-L.; Lavigne, P.: Focusing of laser beams by a sequence of irises (TE), AO 18: 875
- Otsuka, E.**
- ; Ohyama, T.; Nakata, H.; Okada, Y.: Far-infrared study of excitons, electron-hole drops, and impurity systems in germanium (E), JOSA 67: 931
- Otsuka, Kenju.** See Kubodera, Kenichi, AO 16: 2747, AO 18: 884, AO 18: 3882
- Otsuka, T.** See Daido, Y., AO 18: 2207
- Ott, William R.** See Bridges, J. M., JOSA 66: 1097, AO 16: 367, AO 16: 1788; Saunders, Robert D., JOSA 66: 1097, AO 15: 827, AO 17: 593
- ; Gieres, G.: New transfer standard for VUV spectral-radiance calibrations (A), JOSA 64: 1405
- ; Behringer, K.; Gieres, G.: Vacuum ultraviolet radiometry with hydrogen arcs. 2: The high power arc as an absolute standard of spectral radiance from 124 nm to 360 nm (E), AO 14: 2121
- Otterman, J.** See Mekler, Yu., AO 14: 503
- ; Fraser, Robert S.: Adjacency effects on imaging by surface reflection and atmospheric scattering: cross radiance to zenith (T), AO 18: 2852
- Single-scattering solution for radiative transfer through a turbid atmosphere (T), AO 17: 3431
- Ottersten, Hans.** See Hagard, Arne, JOSA 67: 260
- Ottinger, P. F.** See Mosher, D., JOSA 68: 545
- Otto, P.** See Witt, K., AO 14: 1768
- Otto, William F., Jr.** See Harrington, James A., AO 15: 1953
- Oudar, J. L.**
- ; Maruani, A.; Batifol, E.; Chemla, D. S.: High-order coherent light scattering due to excitonic molecules in CuCl (A), JOSA 68: 1638
- Oughstun, Kurt Edmund.** See Freeman, R. H., JOSA 68: 1368
- ; Sherman, George C.: Optical pulse propagation in temporally dispersive Lorentz media (A), JOSA 65: 1224
- ; Sherman, George C.: Uniform asymptotic description of dispersive pulse propagation (A), JOSA 69: 1448
- Ouw, Donald.** See Saikan, Seishiro, AO 18: 193
- Ouyang, C. F.** See Wang, S. C. H., AO 18: 1133
- Overbey, R. L.** See Mazumder, M. K., JOSA 66: 382
- Owechko, Y.**
- ; Tanguay, A. R., Jr.: Theoretical resolution limitations of electro-optical spatial light modulators (A), JOSA 69: 1484
- Owen, James F.** See Wilk, Stephen R., JOSA 69: 1463
- ; Dorain, Paul B.; Mroczkowski, Stanley; Chang, Richard K.: Excited-state absorption of  $\text{Eu}^{2+}:\text{CaF}_2$  single crystals (A), JOSA 69: 1463
- Owen, Robert B.**
- ; Liu, Hua-Kuang: Coherent optical correlation study of surface displacements (A), JOSA 67: 1365
- Owens, D. Alfred.** See Leibowitz, Herschell W., JOSA 65: 1121; Post, Robert B., JOSA 69: 89
- ; Leibowitz, Herschell W.: Chromostereopsis with small pupils (E) (L), JOSA 65: 358
- Mandelbaum Effect: Evidence for an accommodative bias toward intermediate viewing distances (TE), JOSA 69: 646
- ; Wolfe, Jeremy M.: Ocular accommodation for flickering gratings (A), JOSA 69: 1423
- Owens, James C.**
- Laser Doppler Measurements. By B. M. Watrasiewicz and M. J. Rudd (B), JOSA 67: 987
- Owens, R. L.** See Post, Robert B., JOSA 69: 89
- Owsley, David P.**
- Power, divergence, and stability factors affecting the use of a krypton laser as a multispectral illumination source (A), JOSA 64: 553
- Owyang, Adelbert**
- High-resolution cw stimulated Raman spectroscopy (A), JOSA 68: 706
- High-resolution cw stimulated Raman spectroscopy of gases (A), JOSA 68: 1432
- High-resolution cw stimulated Raman spectroscopy in molecular hydrogen (E), OL 2: 91
- Interferometric study of the third-order nonlinear susceptibility of benzene (A), JOSA 66: 1126
- ; Jones, Eric D.: Stimulated Raman spectroscopy using low-power cw lasers (E), OL 1: 152
- Ozarski, R. G.** See Simmons, W. W., JOSA 68: 547; Suski, G., JOSA 68: 547
- ; Kobierecki, M.; Rienecker, F., Jr.; Merritt, B.: Shiva laser beam diagnostics (A), JOSA 68: 548
- Ozawa, J.** See Greenwood, J. R., JOSA 68: 547
- Ozeki, T.**
- ; Uematsu, T.; Ito, T.; Yamamoto, M.; Unno, Y.: Half-duplex optical transmission link using an LED source-detector scheme (E), OL 2: 103
- Ozorio de Almeida, Alfredo Miguel**
- Electromagnetic waves in two-dimensionally inhomogeneous media (T), JOSA 68: 1748
- Pachali, H.** See Paperlein, D., AO 14: 395
- Packard, J. R.** See Strehlow, W. H., JOSA 64: 543
- 3M electron beam laser (A), JOSA 66: 389
- Packer, Donald M.**
- ; Packer, Irene G.: Exploring the earth's atmosphere by photography from Skylab (ET), AO 16: 983
- Packer, Irene G.** See Packer, Donald M., AO 16: 983
- Padgett, Howard R.**
- Zoom lens design by pocket calculator (T) (L), AO 17: 1162
- Padgug, Robert**
- ; Jain, Anil K.: Fast restoration of finite objects degraded by finite PSF (A), JOSA 65: 1203
- Padrick, T. D.**
- ; Palmer, R. E.; Riley, M. E.; Palmer, M. A.: Effects of gain saturation on the beam quality of a high-power atomic iodine laser (A), JOSA 68: 549
- Paek, U. C.** See Gagliano, F. P., AO 13: 274
- ; Weaver, A. L.: Formation of a spherical lens at optical fiber ends with a  $\text{CO}_2$  laser (ET), AO 14: 294
- Laser drawing of optical fibers (E), AO 13: 1383
- ; Runk, R. B.: Physical behavior of the neck-down region during furnace drawing of silica fibers (A), JOSA 67: 706
- Paesold, G.** See Pulker, H. K., AO 15: 2986
- Paganetti, Ralph.** See Swift, Roderick D., AO 15: 1595
- Page, R.** See Pitlak, R. T., JOSA 66: 384
- Pagis, A.** See Rabinovitch, K., AO 14: 1326
- Pai, K. F.**
- ; Parker, T. J.; Lowndes, R. P.: Temperature dependence of the dielectric response of  $\text{KTaO}_3$  by dispersive Fourier transform spectroscopy (T), JOSA 68: 1322
- ; Rastogi, A.; Tornberg, N. E.; Parker, T. J.; Lowndes, R. P.: Transverse optical mode anharmonic self-energy of NaCl from measurements by dispersive Fourier-transform spectroscopy (E), JOSA 67: 914
- Paik, W. H.**
- ; Tebyani, M.; Epstein, D. J.; Kennedy, R. S.; Shapiro, Jeffrey H.: Propagation experiments in low-visibility atmospheres (E), AO 17: 899
- Painter, L. R.** See Birkhoff, R. D., AO 16: 2576
- Paisner, Jeffrey A.** See Carlson, L. R., JOSA 66: 846; Worden, Earl F., JOSA 67: 1418, OL 3: 156, JOSA 68: 52
- ; Conway, John G.; Worden, Earl F.: High-Rydberg-state chemistry in atomic strontium (A), JOSA 68: 640
- Spectroscopy technical group high-resolution multistep photoionization spectroscopy of the actinides (A), JOSA 66: 1138
- Pak, Hasong.** See Spinrad, Richard W., AO 17: 1125
- Pal, S. R.** See Carswell, A. I., JOSA 67: 259; Ryan, J. S., JOSA 69: 60
- ; Ryan, J. S.; Carswell, A. I.: Cloud reflectance with laser beam illumination (E) (L), AO 17: 2257
- ; Carswell, A. I.: Multiple scattering in atmospheric clouds: lidar observations (E), AO 15: 1990
- ; Carswell, A. I.: Polarization properties of lidar scattering from clouds at 347 nm and 694 nm (E), AO 17: 2321
- ; Carswell, A. I.: Two-wavelength lidar scattering from atmospheric clouds (A), JOSA 67: 1369
- Palais, Joseph C.**
- ; Watson, James M.: Holographic storage and projection of conventional movies (A), JOSA 64: 1396
- Palange, E.** See DeMartini, F., JOSA 68: 662
- Palenius, Hans P.** See Skinner, Charles H., JOSA 65: 1180
- ; Huffman, R. E.; Larrabee, J. C.; Tanaka, Yoshio: Absorption spectrum of fluorine F I observed with the helium continuum (E), JOSA 68: 1564
- Palik, E. D.** See Gammon, Robert W., JOSA 64: 350; Holm, R. T., JOSA 67: 253, AO 17: 394; Kaplan, H., JOSA 64: 1551
- History of far-infrared research. I. The Rubens era (R), JOSA 67: 857
- ; Gibson, J. W.; Holm, R. T.; Hass, Marvin; Braunstein, Morris; Garcia, B.: Infrared characterization of surfaces and coatings by internal-reflection spectroscopy (E), AO 17: 1776
- ; Holm, R. T.; Gibson, J. W.: Optical characterization of an epitaxial film of GaAs on a GaAs substrate (A), JOSA 65: 1195
- Submillimeter-wave resonance spectroscopy (A), JOSA 64: 533
- Submillimeter waves and their applications, international conference on, Georgia Inst. of Tech., 5-7 Jun 1974 (M), AO 13: 1985
- Submillimeter waves and their applications, second international conference and winter school, San Juan, 6-11 Dec 1976 (M), AO 16: 532
- ; Holm, R. T.: Surface polaritons on an epitaxial film of GaAs on a GaAs substrate (A), JOSA 66: 1070
- ; Ginsburg, Nathan; Rosenstock, Herbert B.; Holm, R. T.: Transmittance and reflectance of a thin absorbing film on a thick substrate (E) (L), AO 17: 3345
- Palluconi, Frank Don.** See Chase, Stillman C., Jr., AO 17: 1243, AO 17: 2132
- Palm, C. S.**
- ; Anderson, R. C.; Reece, A. M.: Laser probe for measuring 2-D wave slope spectra of ocean capillary waves (ET), AO 16: 1074
- Palma, A.** See Alippi, A., AO 15: 811, AO 15: 2400
- Palma, C.** See De Santis, P., AO 15: 2385
- Palma, G. E.**
- ; Garcia, H. R.: Experiments with an infrared multither deformable mirror COAT system (A), JOSA 68: 1368
- ; Garcia, H. R.: Experiments with an IR multither deformable-mirror COAT system (ET), AO 18: 3057
- Palmarì, J. P.** See Rasigni, Monique, AO 17: 3521
- Palmer, Alice L.** See Lytle, John D., AO 18: 1064
- Palmer, Byron A.** See Engleman, Rolf, Jr., JOSA 68: 1447
- Ab initio and experimental energy levels in the first spectrum of yttrium (A), JOSA 68: 1447
- ; Sansonetti, Craig J.; Andrew, Kenneth L.: Automatic precision measurement of spectrograms (E), AO 17: 2280
- Palmer, C. Harvey.** See Claus, Richard O., JOSA 67: 1444; Fick, Steven E., AO 17: 2686
- ; Claus, Richard O.; Fick, Steven E.: Lambda meter to facilitate exploitation of narrow line lasers, AO 16: 1849
- Landmark Experiments in Twentieth Century Physics. By George L. Trigg (B), JOSA 66: 743
- ; Green, Robert E., Jr.: Optical detection of acoustic emission waves (E) (L), AO 16: 2333
- Palmer, David A.**
- Maxwell spot and additivity in tetrachromatic matches (E), JOSA 68: 1501
- Mesopic photometry with nonmonochromatic lights (A), JOSA 64: 1386
- ; Marshall, John; Mellerio, John: Spectrally sensitive damage in pigeon correlated with cone morphology (A), JOSA 64: 1397
- Palmer, James.** See DeBell, Arthur G., JOSA 68: 1397, AO 18: 3114; Sepulveda, Cesar, JOSA 66: 1122
- Palmer, James M.**
- Electrically calibrated pyroelectric radiometer without optical chopping (A), JOSA 69: 1401
- Spectral radiant exitance of a nonisothermal cavity radiator (TE) (L), AO 18: 758



- Palmer, Kent F.** See Sethna, Prochy P., JOSA 68: 815
- ; Williams, Dudley: Clouds of Venus (A), JOSA 64: 530
- ; Williams, Dudley: Optical constants of sulfuric acid; application to the clouds of Venus? (E), AO 14: 208
- ; Williams, Dudley: Optical properties of water in the near infrared (E), JOSA 64: 1107
- Palmer, M. A.** See Padrick, T. D., JOSA 68: 549
- Palmer, R. E.** See Padrick, T. D., JOSA 68: 549
- Palmieri, L.** See Alippi, A., AO 15: 811, AO 15: 2400
- Palumbo, Louis J.**  
Physics of Quantum Electronics, Vol. 3, Laser Induced Fusion and X-Ray Laser Studies. Edited by Stephen F. Jacobs, Marlan O. Scully, Murray Sargent III, and Cyrus D. Cantrell III (B), JOSA 67: 988
- ; Elton, R. C.: Short-wavelength laser calculations for electron pumping in carbonlike and heliumlike ions (T), JOSA 67: 480
- Pan, C. L.** See Fairbank, W. M., Jr., JOSA 68: 657
- Pan, J. J.**  
Optical-fiber directional coupler (A), JOSA 66: 391
- Pan, Yuh Kang**  
Variation Methods in Quantum Chemistry. By Saul T. Epstein (B), JOSA 65: 615
- Pandolfini, P.** See Ciolli, P., JOSA 68: 1350
- Pandya, D. K.** See Sharma, N. C., JOSA 67: 254, AO 16: 2945
- Panish, M. B.**  
Injection Electroluminescent Devices. By C. H. Gooch (B), AO 13: 12A19
- Panish, Steven C.** See Swift, Dan J., JOSA 69: 1444
- ; Smith, Robert A.; Swift, Dan J.: Low frequency masking of spatial frequency gratings (A), JOSA 69: 1444
- Pannhorst, H.** See Ebert, J., AO 18: 818
- Panock, R.** See Rosenbluh, M., JOSA 68: 1631
- Pantell, R. H.** See Sheppard, John, JOSA 68: 629
- ; Chung, P. S.: Influence of surface roughness on the propagation of x rays through capillaries (T), AO 18: 897
- Tunable submillimeter-wave sources based on laser light scattering (A), JOSA 65: 1204
- Pao, Yoh-Han.** See Claspay, P. C., JOSA 66: 1072, AO 15: 1506, AO 16: 2972; Decker, Arthur J., AO 17: 917
- Paolucci, S.** See Gori, F., JOSA 65: 495
- Papas, Charles H.** See Crosignani, Bruno, JOSA 67: 1300, JOSA 68: 1586, JOSA 69: 1596
- Pape, L. E., Jr.** See Collins, Stuart A., Jr., JOSA 68: 539
- ; Duncan, Donald D.; Collins, Stuart A., Jr.: Refractive-index measurements at high altitudes (A), JOSA 65: 1218
- Paperlein, D.**  
—; Pachali, H.: Einfluss der Szintillation auf den Faktor k der Sonnenfleckenrelativzahl (E), AO 14: 395
- Messung der Richtungszintillation mit einem Schnittbildentfernungsmesser (TE), AO 17: 2622
- Papoulis, Athanasios**  
Ambiguity function in Fourier optics (T), JOSA 64: 779
- Papp, A.** See Harms, H., AO 15: 799; Schneider, H., AO 17: 3035
- ; Harms, H.: Polarization optics of index-gradient optical waveguide fibers (TE), AO 14: 2406
- ; Harms, H.: Polarization optics of liquid-core optical fibers (ET), AO 16: 1315
- Pappas, P.** See Burns, M., JOSA 66: 1125; Murnick, D. E., JOSA 68: 649
- Pappis, J.** See diBenedetto, B., JOSA 67: 1443
- Pappu, S. V.** See Manjunath, H. R., AO 14: 2562, AO 15: 849
- Abbe or the diffieux (L), AO 13: 2747
- All India symposium on applied optics and exhibition of optical instruments, Bangalore, 28-30 Nov 1974 (M), AO 14: 2558
- Fourier transform lens: a misnomer (L), AO 13: 2747
- Papuchon, M.** See Ostrowsky, D. B., AO 13: 636
- Switching and coupling in Ti:LiNbO<sub>3</sub> waveguides (A), JOSA 66: 289
- Paquet, C.** See Shoucri, R. M., AO 15: 1210
- Paradis, Michel**  
—; Lessard, Roger A.: Resolution of multiple circular apertures located on a circle (A), JOSA 69: 1459
- Parameswaran, T.**  
—; Konigstein, J. A.; Haley, L. V.: Raman spectra and magnetic moment of chromocene (A), JOSA 67: 1397
- Parent, Robert J.** See Stremier, Ferrel G., AO 16: 1619; Twitty, J. T., AO 15: 980
- Paresce, Francesco.** See Bowser, Stuart, AO 16: 756; Finley, David S., AO 18: 649; Kumar, Shailendra, AO 13: 575; Mack, John E., AO 15: 861; Stern, Robert, JOSA 65: 1515
- Quantum efficiency of a channel electron multiplier in the far ultraviolet (E) (L), AO 14: 2823
- Parikh, P. D.** See Ruiz-Urbiet, M., AO 14: 486
- Park, Jae H.** See Russell, James M., III, AO 16: 1479, AO 16: 607
- ; Russell, James M., III; Drayson, S. Roland: Pressure sensing of the atmosphere by solar occultation using broadband CO<sub>2</sub> absorption (T), AO 18: 1950
- Park, Stephen K.** See Huck, Fred O., AO 14: 2508
- ; Huck, Fred O.: Estimation of spectral reflectance curves from multispectral image data (TE), AO 16: 3107
- Park, Y. K.** See Trutna, W. Rick, JOSA 68: 1395
- Parker, Charles J.**  
Colour Generation and Control in Glass, Glass Science and Technology, Volume 2. By C. Ray Bamford (B), JOSA 68: 1154
- Silicate Glass Technology Methods. By Clarence L. Babcock (B), JOSA 68: 1288
- Parker, J. A.** See Matuk, Y., JOSA 64: 1373
- Parker, J. V.**  
—; Nutter, M. J.; Hayden, J. J.; Liberman, I.; Singer, Sidney: Two-beam CO<sub>2</sub> laser system for laser-induced fusion experiments (A), JOSA 66: 387
- Parker, T. J.** See Pai, K. F., JOSA 67: 914, JOSA 68: 1322
- Parkinson, Michael T.**  
Theory of Polarization Phenomena. By B. A. Robson (B), JOSA 65: 1386
- Parkinson, W. H.** See Cann, M. W. P., AO 18: 964; Cantu, A. M., JOSA 67: 1030; Lombardi, Gabriel G., JOSA 69: 1289
- ; Tomkins, Frank S.: *g<sub>f</sub>* value of the intercombination line of barium, Ba I (E) (L), JOSA 68: 535
- Parks, Robert E.** See Barrett, Harrison H., AO 18: 2760; Hayes, John, JOSA 69: 1418
- ; Sumner, Richard E.: Bright inexpensive pinhole source (E) (L), AO 17: 2469
- Electron Microscopy in the Study of Materials. By P. J. Grundy and G. A. Jones (B), AO 17: 1479
- Fabrication of a large off-axis parabola (A), JOSA 68: 1444
- Machining a copper off-axis parabola (L), AO 14: 1753
- Making and testing an *f*/0.15 parabola (E) (L), AO 13: 1987
- Making concentric hemicylinder lenses (E) (L), AO 13: 13
- Optical Shop Testing. Edited by Daniel Malacara (B), AO 17: 2862
- ; Sumner, Richard E.: Pioneer Venus radiometer light pipes (L), AO 16: 2344
- ; Anderson, David S.: Surface profile determination using a spherometer (A), JOSA 69: 1407
- Various Methods of Making Prisms Developed Since 1946. By Frank Cooke (B), AO 16: 2777
- Parr, Albert C.**  
—; Inghram, Mark G.: Photoionization of samarium in the threshold region (E) (L), JOSA 65: 613
- Parr, Philip C.**  
—; Miller, Theodore L.; Ekiert, Stanley E.: Beam alignment technique using linear arrays (A), JOSA 69: 1405
- Parry, G.** See Jakeman, E., JOSA 68: 540
- Effects of coherence on the statistical properties of speckle (A), JOSA 66: 176
- ; Pusey, P. N.; Jakeman, E.: *K* distributions in atmospheric propagation of laser light (A), JOSA 69: 1412
- ; Pusey, P. N.: *K* distributions in atmospheric propagation of laser light (T) (L), JOSA 69: 796
- Parsons, D. F.** See Turner, J. N., JOSA 64: 789
- Parsons, J. R.** See Tescher, A. G., AO 13: 1460
- Parsons, N. J.** See Ankiewicz, A., OL 4: 414
- Partlow, W. D.** See Choyke, W. J., AO 16: 2013
- Partus, F. P.** See Buckler, M. J., JOSA 67: 707
- Pasachoff, Jay M.**  
—; Muzyka, Daniel F.; Schierer, J. Phil, Jr.: Silicon vidicon spectrometry and its infrared capabilities for solar research (E), AO 15: 2884
- Solar Output and its Variation. Edited by O. R. White (B), AO 17: 3513
- Pascher, Helmut**  
Status of fiber transmission technique in Germany (A), JOSA 67: 708
- Pasciak, Joseph.** See Wallace, James, JOSA 65: 1192, AO 15: 218, JOSA 65: 1257, JOSA 67: 1569
- Pask, Colin.** See Barrell, Kevin F., JOSA 69: 294; Carpenter, David J., JOSA 67: 115; Snyder, Allan W., AO 15: 868, JOSA 64: 608; White, Ian A., AO 16: 2353, JOSA 67: 703
- Beam and Fiber Optics. By J. A. Arnaud (B), JOSA 67: 1693
- Equal excitation of all modes on an optical fiber (T), JOSA 68: 572
- Exact expressions for scalar modal eigenvalues and group delays in power-law optical fibers (T), JOSA 69: 1599
- Generalized parameters for tunneling ray attenuation in optical fibers (T), JOSA 68: 110
- ; Snyder, Allan W.: Light acceptance property of an optical fiber (T), AO 13: 1889
- Modified ray tracing in a dielectric rod (T) (L), AO 13: 2459
- ; Snyder, Allan W.: Multimode optical fibers: interplay of absorption and radiation losses (T), AO 15: 1295
- ; Snyder, Allan W.; Mitchell, D. J.: Number of modes on optical waveguides (T) (L), JOSA 65: 356
- ; Snyder, Allan W.: Power of modes propagating inside a dielectric rod (T) (L), JOSA 64: 393
- Simple optical theory of super-resolution (T) (L), JOSA 66: 68
- Pasour, J. A.** See Eden, J. Gary, JOSA 68: 1646
- Pasqualetti, F.** See Ciolli, P., AO 16: 1128, JOSA 68: 1350; Consortini, Anna, JOSA 68: 539, AO 17: 2519
- ; Ronchi, Laura; Vanni, R.: Direct measurements of the model of the atmospheric turbulence (E) (L), AO 15: 1903
- ; Ronchi, Laura: Integral equation for a 90° or a quasi-90° roof-mirror optical resonator (T), JOSA 64: 289
- ; Ronchi, Laura: Roof-mirror resonators (T), JOSA 65: 649
- ; Ronchi, Laura; Vanni, R.: Simultaneous multipoint temperature measurements in turbulent atmosphere (A), JOSA 68: 539
- Passaglia, Elio**  
Ellipsometry and Polarized Light. By R. M. A. Azzam and N. M. Bashara (B), AO 17: 1847
- Patacca, A. M.** See Holloway, D. C., AO 17: 1213
- Pataky, C.** See Nicholas, D. J., AO 17: 3368
- Patel, B. S.**  
Estimation of output power and optimum transmittance through a coupling-out hole for a cw CO<sub>2</sub> laser (TE) (L), AO 13: 19
- Optical suitability of window materials for CO<sub>2</sub> lasers (ET), AO 16: 1232
- Patel, C. K. N.** See Tam, A. C., OL 4: 81, AO 18: 3348
- Laser optoacoustic spectroscopy: Detection of HCN and NH<sub>3</sub> during reduction of NO over Pt catalysts (A), JOSA 66: 1079
- Paterno, Lucio.** See Barletti, Raffaele, AO 16: 2419, JOSA 66: 1380; De Biase, Giuseppe A., AO 17: 435; Vernin, J., AO 18: 243
- Patorski, Krzysztof.** See Yokozeki, Shunsuke, AO 15: 2223, AO 17: 2541
- ; Yokozeki, Shunsuke; Suzuki, Tatsuro: Collimation test by double grating shearing interferometer (TE), AO 15: 1234
- Pattanayak, D. N.** See Agrawal, G. P., JOSA 69: 575; Foley, John T., JOSA 64: 1398
- ; Hoenders, B. J.: Interaction of a uniformly moving electron with a spatially dispersive medium (A), JOSA 64: 527
- Patterson, Chris W.** See McDowell, Robin S., OL 4: 274
- Patterson, E. L.** See Gerber, Robert A., JOSA 68: 549; Hoffman, J. M., JOSA 68: 651
- ; Hays, G. N.; Truby, F. K.; Hoffman, J. M.; Tisone, G. C.; Sandoval, Robert P.; Gerber, Robert A.: Beam quality measurements of Sandia's HF oscillator-amplifier chain (A), JOSA 68: 651
- Patterson, E. M.** See Grams, G. W., JOSA 67: 258
- Atmospheric extinction between 0.55  $\mu$ m and 10.6  $\mu$ m due to soil-derived aerosols (T), AO 16: 2414
- ; Gillette, D. A.; Stockton, B. H.: Imaginary index of refraction and size distributions for atmospheric aerosols (A), JOSA 67: 257



- ; Shelden, C. E.; Stockton, B. H.: Kubelka-Munk optical properties of a barium sulfate white reflectance standard (E), AO 16: 729
- Patterson, N. P.** See Crockett, W. R., AO 16: 893; VanHoosier, M. E., AO 16: 887
- ; Tousey, Richard; Delamere, W. A.: Observing and recording instantaneous images on ATM television monitors (E), AO 16: 922
- Patton, H. G.** See Wallerstein, Edward Perry, JOSA 68: 548
- Patty, R. R.**
- ; Russwurm, G. M.; McClenny, W. A.; Morgan, D. R.: Carbon dioxide laser absorption coefficients for determining ambient levels of  $O_3$ ,  $NH_3$ , and  $C_2H_4$  (E), AO 13: 2850
- Patz, D. L.** See Oleson, J. R., AO 13: 206
- Paul, F. W.**  
Optique Spatiale (Space Optics). Edited by A. Marechal and G. Courtes (B), JOSA 65: 746
- Space Optics.** Proceedings of the Ninth International Congress of the International Commission for Optics. Edited by B. J. Thompson and R. R. Shannon (B), JOSA 64: 1569
- Spectroscope.** By K. I. Tarasov (B), JOSA 65: 746
- Spectroscopic Data, 1.** Heteronuclear Diatomic Molecules, Parts A and B. Edited by S. N. Suchard (B), JOSA 65: 1384
- Paul, Jeff**
- ; Byer, Robert L.: Wavelength meter (A), JOSA 66: 384
- Pauli, H.**  
Proposed extension of the CIE recommendation on "uniform color spaces, color difference equations, and metric color terms" (T) (L), JOSA 66: 866
- Paulsen, D. E.** See Van Tassel, R. A., AO 14: 310
- Paulson, Helen M.** See Kinney, Jo Ann S., JOSA 69: 106
- Paur, R. J.** See Fincher, C. L., JOSA 66: 1123, AO 16: 1359
- Pav, Peter Anton**  
Eighteenth century optics: the Cartesian-Newtonian conflict, AO 14: 3102
- Pavlopoulos, T. G.**
- ; Lewis, A. L.; McLandrich, M. N.: Simple method for permanently connecting single-mode fibers (E) (L), AO 16: 1466
- Paw U, Kyaw Tha**  
Insects as unidentified flying objects: comment (TE) (L), AO 18: 2723
- Paxton, Alan H.** See Salvi, Theodore C., AO 18: 2098
- ; Erkkila, John H.: Annular converging wave resonator: new insights (T), OL 1: 166
- Paxton, K. B.**
- ; Cooley, R. J.; Connors, Gary H.: Uniform polishing of convex aspheres with an elastic lap (TE), AO 14: 2274
- Payne, D. N.** See Gambling, W. A., JOSA 67: 707, AO 14: 1538; Sladen, F. M. E., JOSA 67: 707
- Payne, M. G.** See Chen, C. H., JOSA 68: 716
- Payne, Richard**
- ; Bouthillette, Lionel O.: Effect of cladding modes on the far-field radiation pattern for a multimode step-index optical fiber (E) (L), AO 17: 2132
- Pchelkin, N. R.** See Benard, D. J., JOSA 68: 852
- Peacher, Jerry.** See Wilcox, David, JOSA 65: 1368
- Peacock, Keith**  
Ground-based determination of atmospheric radiance for correction of ERTS-1 data (E) (L), AO 13: 2741
- Resolution of a real-time coded aperture imaging system (A), JOSA 68: 1363
- Pearce, L. G.** See Schumer, D., JOSA 65: 1165
- ; Schumer, D.; Das, P.: Image scanning using surface acousto-optic interaction (A), JOSA 65: 1165
- Pearce, William A.** See Holland, Alfred C., AO 17: 2153; Thomas, Robert W. L., JOSA 67: 260
- ; Thomas, Robert W. L.: Retrieval of aerosol size distribution parameters from remote sensing experiments (A), JOSA 67: 260
- Pearlman, Jay S.** See Morse, R. L., JOSA 68: 544
- ; Anthes, John P.: Closure of pinholes under intense laser radiation (E), AO 16: 2328
- Considerations of energy transport in laser fusion targets (A), JOSA 68: 544
- ; Benjamin, Robert F.: Sub-keV x-ray imaging using a low-cost ellipsoidal lens (E), AO 16: 94
- Pearlman, William A.**
- ; Gray, Robert M.: Optimal magnitude-phase quantization in computer holography (A), JOSA 64: 1395
- Visual system model and a new distortion measure in the context of image processing (A), JOSA 67: 1406
- Visual system model and a new distortion measure in the context of image processing (TE), JOSA 68: 374
- Pearsall, T. P.**
- ; Schmidt, R. V.; Chiang, S.: Study of titanium diffusion into  $LiNbO_3$  low-loss waveguides by x-ray photoelectron spectroscopy (A), JOSA 66: 290
- Pearson, D. B.** See Bjorkholm, J. E., JOSA 68: 1377, JOSA 68: 1623
- Pearson, E. T.**  
Computer modeling of an optical polishing tool (A), JOSA 68: 1445
- Pearson, J. E.**
- ; Brown, W. P., Jr.; Kokorowski, S. A.; O'Meara, T. R.; Pedinoff, M. E.: COAT compensation for turbulence and thermal blooming with realistic complex targets (A), JOSA 65: 1212
- Comparison of scintillometer and microthermometer measurements of  $C_N^2$  (E), JOSA 65: 938
- ; Hansen, S.: Deformable-mirror adaptive optical system (E), JOSA 67: 325
- Pearson, James E.** See Bridges, William B., JOSA 64: 541; Kokorowski, S. A., JOSA 66: 635, JOSA 67: 333; O'Meara, T. R., JOSA 66: 392; Yeh, Cavour, AO 15: 2913
- Atmospheric turbulence compensation using coherent optical adaptive techniques (E), AO 15: 622
- ; Bridges, William B.; Hansen, S.; Nussmeier, T. A.; Pedinoff, M. E.: Coherent optical adaptive techniques: design and performance of an 18-element visible multidither COAT system (E), AO 15: 611
- Effects of speckle in adaptive optical systems (A), JOSA 66: 180
- ; Kokorowski, S. A.; Pedinoff, M. E.: Effects of speckle in adaptive optical systems (E), JOSA 66: 1261
- ; Brown, K. M.; Finucane, R. G.; Hansen, S.; McClung, F. J.; Price, K. D.: Operation of a multidither COAT system with a continuous-surface deformable mirror (A), JOSA 66: 392
- ; Yeh, Cavour; Brown, W. P., Jr.: Propagation of laser beams having an on-axis null in the presence of thermal blooming (T), JOSA 66: 1384
- Speckle phenomena in optics, microwaves, and acoustics, OSA Topical Meeting, Asilomar, 24-26 Feb 1976 (M), AO 15: 1362
- Thermal blooming compensation with adaptive optics (E), OL 2: 7
- Pearson, Milton**
- ; Pobboravsky, Irving; Yule, John A. C.: Design of a printed spectrum using modified Neugebauer halftone equations (ET), JOSA 65: 323
- Pearson, R. K.** See Catalano, E., JOSA 68: 1643
- Pearson, Robert L.**
- ; Miller, Lee D.; Tucker, Compton J.: Hand-held spectral radiometer to estimate gramineous biomass (E), AO 15: 416
- Pearson, W. M.** See Pease, A. A., AO 16: 57
- Pease, A. A.**
- ; Pearson, W. M.: Axial mode structure of a copper vapor pumped dye laser (E), AO 16: 57
- Pease, Henry.** See Hoag, Ethan D., AO 13: 1959
- Pease, V. P.** See McNulty, P. J., JOSA 66: 49
- Pechersky, M. J.** See Garbuny, M., AO 15: 1141
- Peck, Edson R.**
- ; Huang, Shiezen: Refractivity and dispersion of hydrogen in the visible and near infrared (E), JOSA 67: 1550
- Spectral Atlas of Nitrogen Dioxide 5530 to 6480 Å. By Donald K. Hsu, David L. Monts, and Richard N. Zare (B), JOSA 68: 1456
- Pedersen, Hans M.** See Hoegmoen, Kare, JOSA 67: 1578
- Theory of speckle dependence on surface roughness (A), JOSA 66: 180
- Theory of speckle dependence on surface roughness (T), JOSA 66: 1204
- Pedinoff, M. E.** See Kokorowski, S. A., JOSA 66: 635, JOSA 67: 333; Pearson, J. E., JOSA 65: 1212; Pearson, James E., AO 15: 611, JOSA 66: 1261; Rudisill, J. Earl, JOSA 69: 1438
- ; Braunstein, Morris; Stafsudd, Oscar M.: 10.6  $\mu m$  Ellipsometer measurements of refractive indices of IR materials (A), JOSA 67: 252
- ; Braunstein, Morris; Stafsudd, Oscar M.: Refractive indices of IR materials: 10.6- $\mu m$  ellipsometer measurements (ET), AO 16: 2849
- ; Stafsudd, Oscar M.; Braunstein, Morris: Strain induced anisotropy in  $As_2S_3$ ,  $As_2Se_3$ , and ZnSe films on KCl substrates via 10.6- $\mu m$  and 0.6328- $\mu m$  ellipsometer measurements and 0.6328- $\mu m$  reflector measurements (TE), AO 18: 201
- Pedretti, M. G.**
- ; Chiang, Fu-Pen: Effect of magnification change in laser speckle photography (TE), JOSA 68: 1742
- Peinado, Rolando E.** See Ochs, Alfred L., JOSA 65: 842
- Peli, Eli.** See Zeevi, Yehoshua Y., JOSA 69: 669, JOSA 69: 1274
- Pell, Erik M.**  
Electrophotography, 2nd international conference on, Washington, 24-27 Oct 1973 (M), AO 13: 12
- Pelletier, E.** See Borgogno, J. P., JOSA 68: 964; Vidal, B., AO 17: 1038, AO 18: 3851, AO 18: 3857
- Pellicori, S. F.**  
Beam splitter and reflection reducing coatings on ZnSe for 3-14  $\mu m$  (ET), AO 18: 1966
- Infrared reflectance of a variety of mirrors at 45° incidence (E) (L), AO 17: 3335
- ; Russell, E. E.; Watts, L. A.: Radiation induced transmission loss in optical materials (E), AO 18: 2618
- Pelosi, P. M.**
- ; Vandenbulcke, P.; Wilkinson, C. D. W.; De La Rue, R. M.: Propagation characteristics of trapezoidal cross-section ridge optical waveguides: an experimental and theoretical investigation (ET), AO 17: 1187
- Penchina, Claude M.** See Sapp, Edwin, AO 14: 2565
- Pendergrass, J. H.** See Booth, L. A., JOSA 68: 546; Devaney, J. J., JOSA 68: 546
- Tritium processing systems for inertial confinement fusion facilities (A), JOSA 68: 546
- Peng, Patra W.**
- ; Wilkins, J. Ernest, Jr.: Apodization for maximum Strehl criterion and specified Sparrow limit of resolution for incoherent illumination (T), JOSA 65: 1292
- Peng, S. T.** See Fradin, David W., JOSA 66: 292; Oliner, A. A., JOSA 66: 288, AO 17: 2866; Tamir, Theodor, JOSA 64: 1365
- Penney, C. M.** See Lapp, Marshall, AO 13: 9A14
- ; St. Peters, R. L.; Lapp, Marshall: Absolute rotational Raman cross sections for  $N_2$ ,  $O_2$ , and  $CO_2$  (TE), JOSA 64: 712
- ; Lapp, Marshall: Raman-scattering cross sections for water vapor (ET), JOSA 66: 422
- ; Lapp, Marshall; Boni, A. J.; Wallart, F.: Time- and space-resolved Raman scattering measurements in flames (A), JOSA 66: 1106
- Pentland, Alex P.**  
Uniform extrafoveal sensitivity to pattern differences (A), JOSA 68: 1437
- Pepi, John W.**  
Cryogenic application for graphite and glass fiber composites in an orbiting infrared telescope (A), JOSA 68: 1430
- Pepin, H.** See Mitchel, G. R., AO 18: 2422
- Pepin, T. J.** See Northam, G. Burton, AO 13: 2416
- Pepper, David M.** See AuYeung, John, OL 4: 42; Yarov, Amnon, OL 1: 16, OL 4: 52
- ; Abrams, Richard L.: Narrow optical bandpass filter via nearly degenerate four-wave mixing (T), OL 3: 212
- ; Fekete, Dan; Yarov, Amnon: Phase conjugation, amplified reflection and oscillation via four-wave optical mixing (A), JOSA 68: 689
- ; AuYeung, John; Fekete, Dan; Yarov, Amnon: Spatial convolution and correlation of optical fields via degenerate four-wave mixing (T), OL 3: 7
- Pepperl, R.** See Hill, B., AO 14: 2607
- Peppers, Norman A.** See Falconer, David G., AO 15: 29
- ; Ostrem, John S.: Determination of wave slopes from photographs of the ocean surface: a new approach (T), AO 17: 3450
- Peralta, F. Garcia.** See Bernabeu, E., JOSA 67: 24
- Perdijon, J.**  
Couplage encercant (ET) (L), AO 18: 604



- Pereira, M.** See also Colleras-Pereira, M.  
—; Rahl, Ari; Winston, Roland: Lens-mirror combinations with maximal concentration (A), JOSA 66: 1068
- Perelman, A. Y.**  
Scattering in spherically symmetric media (T), AO 18: 2307
- Perera, I. K.** See Deka, B. K., AO 18: 3722;  
Dyer, P. E., OL 4: 250
- Peressini, Eugene R.** See Linford, Gary J., AO 13: 379; Sutter, L. V., AO 18: 3835
- Perez, O. G., Jr.** See Bruce, Rufus E., AO 16: 1783
- Pergament, M. I.** See Burdonsky, J. N., AO 15: 1450
- Peri, David**  
—; Goodman, Joseph W.: Fiber optics matrix-vector multiplier (A), JOSA 69: 1450  
—; Friesem, A. A.: Image restoration using volume diffraction gratings (ET), OL 3: 124
- Perkins, J. F.** See Cason, Charles, OL 2: 145
- Perkowitz, S.** See Amirtharaj P. M., JOSA 67: 939; Bean, Brent L., OL 1: 202, AO 15: 2617; JOSA 67: 911; Simpson, O. A., JOSA 69: 1723  
—; Henry, R. L.; Tanner, D. B.: Comparison of Fourier and laser spectroscopy in the far-infrared-submillimeter range (E) (L), AO 18: 2349  
Far-infrared-submillimeter spectroscopy of solids (A), JOSA 67: 1431
- Perlmutter, Arye L.**  
—; Kertesz, Andrew E.: Vertical fusional response to asymmetric disparity presentation (A), JOSA 69: 1423
- Perlmutter, P.**  
—; Shtrikman, S.; Slatkine, M.: Optoacoustic detection of ethylene in the presence of interfering gases (E), AO 18: 2267
- Perminov, E. E.** See Balashov, A. A., AO 17: 1716
- Pernick, B. J.** See Jost, S., AO 18: 1895; Wohlers, Martin Ron, AO 17: 35  
—; Kopp, R. E.; Wohlers, Martin Ron; Herold, Ron; Lisa, J.; Mendelsohn, J.; Stone, H.: Cervical cytological (PAP) smear screening with coherent optics (A), JOSA 66: 382  
Distortions of synthetic aperture radar imagery due to target motion (T) (L), AO 13: 471  
Limits to the detection of small internal voids in solids with holographic techniques (T), AO 13: 1711  
—; DeCarlo, J.: Optimum imaging method for optical data processors (T), AO 16: 137  
—; Wohlers, Martin Ron; Mendelsohn, J.: Paraxial analysis of light scattering by biological cells in a flow system (TE), AO 17: 3205  
Partial differential rate equations for a bilevel absorber (TE), AO 17: 357  
—; Kopp, R. E.; Lisa, J.; Mendelsohn, J.; Stone, H.; Wohlers, Martin Ron: Screening of cervical cytological samples using coherent optical processing. Part 1 (ET), AO 17: 21  
—; Jost, S.; Herold, Ron; Kopp, R. E.; Mendelsohn, J.; Wohlers, Martin Ron: Screening of cervical cytological samples using coherent optical processing. Part 3 (ET), AO 17: 43  
Structure and spatial frequency spectrum of Sayce test patterns (T), AO 18: 3027  
Surface roughness measurements with an optical Fourier spectrum analyzer (E), AO 18: 796
- Perrin, J. C.** See Leger, D., JOSA 66: 182, AO 14: 872, JOSA 66: 1210  
—; Thomas, A.: Electronic processing of moire fringes: application to moire topography and comparison with photogrammetry (ER), AO 18: 563
- Perry, A. E.** See Smits, A. J., AO 18: 1097
- Perry, B.** See Steel, Duncan G., JOSA 68: 550
- Perry, Clive H.**  
Light scattering in solids, 3rd international conference, Campinas, 28 Jul-1 Aug 1975 (M), AO 15: 5  
Molecular spectroscopy, 12th European congress, Strasbourg, 1-4 Jul 1975 (M), AO 15: 7
- Perry, F. C.** See Mix, L. P., JOSA 68: 549
- Perry, Roger J.**  
—; Hunt, Arlon J.; Huffman, Donald R.: Experimental determinations of Mueller scattering matrices for nonspherical particles (ET), AO 17: 2700
- Persechini, D. L.** See Tansonan, G. L., AO 17: 1428
- Persin, Anton.** See Henc-Bartolic, Visnja, JOSA 64: 1720, JOSA 68: 259
- Person, W. B.** See Kim, K. C., AO 17: 2511
- Personick, S. D.** See Cohen, Leonard G., AO 14: 1357; Holden, W. S., AO 13: 1050  
—; Hubbard, W. M.; Holden, W. S.: Measurements of the baseband frequency response of a 1-km fiber (E), AO 13: 266
- Persson, Willy.** See Hansen, Jorgen E., JOSA 64: 696
- Pesenti, Jacques**  
—; Sergeant-Rozey, Michele: Transformation de Fourier de  $\text{CH}_3\text{Br}$  et  $\text{CH}_3\text{Cl}$  dans l'infrarouge tres lointain (E), AO 13: 1158
- Petagna, G.** See Eng, R. S., AO 17: 1723
- Petermann, K.**  
—; Unger, H. G.: Loss and pulse distortion in fundamental mode transmission through randomly bent fibers (A), JOSA 67: 707
- Peters, A.** See Meaburn, John, AO 15: 3006
- Peters, C. W.** See Weber, W. H., AO 13: 1431
- Peters, G. I.** See Byrne, J., AO 13: 2499
- Peters, P. J.**  
Solar optics and solar collectors (A), JOSA 66: 1059
- Peters, W. N.**  
Phenomenological model of scintillation (TE), AO 15: 2511  
—; Arnold, R. A.; Gowrinathan, S.: Stellar interferometer for figure sensing of orbiting astronomical telescopes (TE), AO 13: 1785  
—; Nomiya, N. A.: Target induced pointing noise in laser trackers (T) (L), AO 16: 2623
- Petersen, F. R.** See Baird, K. M., OL 4: 263; Harter, William G., OL 4: 90; Jennings, D. A., OL 4: 129; Wells, J. S., AO 18: 3567  
—; Jennings, D. A.; Evenson, Kenneth M.: Direct frequency measurements to 100 THz (A), JOSA 64: 1380  
—; Evenson, Kenneth M.; Jennings, D. A.; Wells, J. S.: Frequency measurement above 100 THz with point-contact diodes (A), JOSA 67: 1398
- Petersik, J. Timothy**  
—; Hicks, Kenyon L.: Bistable visual organization of moving subjective figures (A), JOSA 67: 1401
- Peterson, A. B.**  
—; Smith, I. M. W.; Hanna, D. C.: Vibrational energy transfer studies using SERS as a tunable IR excitation source (A), JOSA 68: 655
- Peterson, Alan W.**  
Airglow events visible to the naked eye (E), AO 18: 3390
- Peterson, George D.**  
—; Gardner, Chester S.: Effects of co-channel interference on optical, code division multiple access communication systems (A), JOSA 69: 1462
- Peterson, J. C.** See Nordstrom, R. J., AO 17: 2724  
—; Damon, E. K.; Long, Ronald K.: Carbon dioxide and water vapor absorption measurements using a  $\text{CO}_2$  laser and differential spectrophone (A), JOSA 66: 1072  
—; Nordstrom, R. J.; Long, Ronald K.: Subtle source of contamination in spectrophones (E) (L), AO 15: 2974  
—; Thomas, M. E.; Nordstrom, R. J.; Damon, E. K.; Long, Ronald K.: Water vapor-nitrogen absorption at  $\text{CO}_2$  laser frequencies (E), AO 18: 834
- Peterson, O. G.** See Walling, John C., JOSA 69: 373, OL 4: 182
- Peterson, P.** See Gavrielides, A., AO 18: 4168
- Peterson, R. E.** See Mar, H. Y. B., JOSA 67: 252
- Peterson, R. N.** See Nicholls, Ralph W., JOSA 69: 1399
- Peterson, R. W.** See Landry, R. J., AO 16: 2968  
—; Coakley, J. Marshall; Ellingson, O. L.: Correlation of the spectral distribution of selected phototherapy light sources with erythral action spectra (A), JOSA 64: 537  
—; Functions of E. Wolf (T) (L), JOSA 65: 1519
- Peterson, Ruth C.**  
—; Title, Alan M.: Total reduction of distorted echelle spectrograms: an automatic procedure (ET), AO 14: 2527
- Peticolas, Warner L.**  
—; Blazej, Daniel C.: Excited-state geometry from resonance Raman data (A), JOSA 68: 1433
- Molecular Spectroscopy, Volume 4.** By R. F. Barrow, D. A. Long, and J. Sheridan (B), AO 17: 2474
- Petit, Alain**  
—; Launay, Francoise; Rostas, Joelle: Spectroscopic analysis of the transverse excited  $\text{C}^3\Pi_u \rightarrow \text{B}^3\Pi_g$  (0—0) UV laser band of  $\text{N}_2$  at room temperature, AO 17: 3081
- Petit, R.** See Roumiguieres, J. L., JOSA 66: 772
- Petite, G.** See Morellec, J., AO 18: 141
- Petrakian, J. P.** See Derbez, G., AO 13: 599
- Petrasso, Richard D.** See Vaiana, Giuseppe S., JOSA 64: 524
- Petrig, B.** See Julesz, Bela, JOSA 66: 1090, JOSA 68: 1420; Riva, Charles E., JOSA 69: 1485
- Petrowski, D. M.** See Cherin, Allen H., AO 16: 1464
- Petry, Heywood.** See Moore, Robert K., JOSA 67: 1408
- Pettingill, L. C.** See O'Neil, R. W., JOSA 65: 1191
- Petuchowski, S. J.** See Lee, S. H., OL 4: 6
- Peyrovian, M. J.** See Sawchuk, Alexander A., JOSA 65: 712  
—; Sawchuk, Alexander A.: Image processing by smoothing spline functions (A), JOSA 66: 167  
—; Sawchuk, Alexander A.: Image restoration by spline functions (TE), AO 17: 660  
—; Sawchuk, Alexander A.: Restoration of noisy blurred images by a smoothing spline filter (TE), AO 16: 3147
- Pezot, J.** See Farcy, J. C., JOSA 68: 549
- Pfeiffer, E.** See Guttman, J., AO 14: 1225
- Phadke, Laxman G.** See Davidson, Joseph, AO 17: 1481
- Phalippou, D.** See Lapierre, J., AO 14: 1549, AO 14: 2184
- Phelps, F. M., III**  
—; Newbound, K. B.: Achromatic focusing device (ET), JOSA 65: 1283  
Central Michigan University wavelength tables (A), JOSA 66: 1067  
Experiments in Optical Physics, 3rd Edition. By Wallace A. Hilton (B), JOSA 65: 360
- Philbrick, R. B.** See Shannon, Robert R., JOSA 68: 539
- Phillion, D. W.**  
—; Rupert, V. C.; Krueer, W. L.; Manes, Kenneth R.; Auerbach, J. M.; Lee, P. H. Y.; Swain, J. E.: Experimental observations of resonance absorption and efficient stimulated Brillouin scattering in a laser-irradiated plasma (A), JOSA 68: 544
- Phillips, E. A.**  
Archimedes's burning glass (L), AO 13: 2A16  
Comprehensive scaling maps for thermal blooming (A), JOSA 65: 1191  
—; Reilly, James P.; Northam, D. B.: Off-axis unstable laser resonator: operation (E), AO 15: 2159
- Phillips, Perry G.** See Harwit, Martin, AO 13: 2669  
—; Briotta, Daniel A., Jr.: Hadamard-transform spectrometry of the atmospheres of earth and Jupiter (E), AO 13: 2233
- Phillips, Richard A.**  
—; Kondig, Walter: Recognition of traffic signals viewed through colored filters (ET), JOSA 65: 1106
- Phillips, Robert W.** See Bates, Harry E., JOSA 64: 559
- Phillips, Ronald L.** See Mallette, Leo A., AO 17: 1786
- Phillips, W.** See Staebler, D. L., AO 13: 788  
—; Hammer, J. M.: Stripe waveguides and coupling modulators of lithium niobate-tantalate (A), JOSA 66: 289
- Phipps, Claude R., Jr.** See Ahrenkiel, R. K., JOSA 68: 1389; Sollid, Jon E., AO 17: 2670, AO 17: 3527, AO 18: 424  
—; Thomas, Scott J.; Figueira, J. F.: Broadband, passive isolator for high-power 10  $\mu\text{m}$  wavelength laser systems (A), JOSA 66: 383  
—; Thomas, Scott J.: Characterization of p-type germanium for 10  $\mu\text{m}$  region passive isolation and pulse shaping (A), JOSA 68: 543  
—; Bodner, S. E.; Shearer, J. W.: Reflecting-optics system for uniform spherical illumination (A), JOSA 64: 565  
—; Bodner, S. E.; Shearer, J. W.: Reflective optics system for uniform spherical illumination (T), AO 14: 985  
—; Thomas, Scott J.: Saturation behavior of p-type germanium at  $\text{CO}_2$  laser wavelengths (E), OL 1: 93
- Phipps, G. S.** See Landry, M. J., AO 14: 2260, AO 17: 1764
- Piment, Paul.** See Elbaum, Marek, AO 16: 2438



- Pianarosa, P.** See Gagne, Jean-Marie, AO 17: 2507, JOSA 66: 1415
- Plantanida, Thomas P.**  
Genetics of red-green color blindness (A), JOSA 68: 1387
- Picard, Michel.** See Gagne, Jean-Marie, AO 13: 581, AO 13: 1739
- Picard, R. H.** See Willis, C. R., JOSA 69: 1467
- ; Milam, D.; Bradbury, R. A.: Single-shot and multiple-shot damage in laser materials: statistical considerations (A), JOSA 66: 1119
- ; Milam, D.; Bradbury, R. A.: Statistical analysis of defect-caused laser damage in thin films (T), AO 16: 1563
- Picciano, Lucinda.** See Sekuler, Robert, JOSA 69: 1478
- Piccioli, N.**  
—; Le Toullec, R.; Mejjaty, M.; Balkanski, M.: Refractive index of GaSe between 0.45  $\mu\text{m}$  and 330  $\mu\text{m}$  (E), AO 16: 1236
- Piche, Michel**  
—; Belanger, Pierre-Andre: Investigation of TEA-CO<sub>2</sub> laser mode-locking by an intracavity (A), JOSA 68: 1394
- ; Belanger, Pierre-Andre; Rioux, Marc: Short-pulse generation from intracavity laser breakdown plasmas (A), JOSA 67: 1404
- ; Belanger, Pierre-Andre: Transverse mode beating by injection locking TEA-CO<sub>2</sub> lasers (A), JOSA 68: 1395
- Picozzi, P.** See Balzarotti, A., JOSA 69: 1460
- Piech, Kenneth R.** See Bufton, Jack L., JOSA 69: 1180, JOSA 69: 1198
- Piekara, Arkadiusz H.** See Ratajska, Bozena, AO 17: 3815
- ; Ratajska, Bozena: Nonlinear interaction of a powerful light beam with crystal lattice vibrations (T) (L), AO 17: 689
- Pieper, G. F.** See Viehmann, W., AO 14: 2104
- Pierce, A. Keith.** See Livingston, William C., AO 15: 33
- Annual Review of Astronomy and Astrophysics, Volume 11. Edited by Leo Goldberg, David Layzer, and John G. Phillips (B), JOSA 64: 255
- Annual Review of Astronomy and Astrophysics, Volume 12. Edited by Geoffrey R. Burbidge, David Layzer, and John G. Phillips (B), JOSA 65: 469
- Annual Review of Astronomy and Astrophysics, Volume 13. Edited by Geoffrey R. Burbidge, David Layzer, and John G. Phillips (B), JOSA 66: 504
- Annual Review of Astronomy and Astrophysics, Volume 14. Edited by Geoffrey B. Burbidge, David Layzer, and John G. Phillips (B), JOSA 67: 411
- Annual Review of Astronomy and Astrophysics, Volume 15. Edited by Geoffrey Burbidge, David Layzer and John G. Phillips (B), JOSA 68: 553
- Pierce, J. W.** See Chinn, S. R., AO 15: 1444
- Pierluissi, Joseph H.**  
—; Tomiyama, Ken; Gomez, Richard B.: Analysis of the Lowtran transmission functions (T), AO 18: 1607
- ; Gibson, Glenn A.; Gomez, Richard B.: Approximation to the incomplete gamma function for strong-line absorptance model (T) (L), AO 15: 19
- ; Gibson, Glenn A.; Gomez, Richard B.: Approximation to the Lorentzian coefficient for efficient calculation of transmittance profiles (T), AO 17: 1425
- ; Gomez, Richard B.; Bruce, Rufus E.: Transmittance model for absorbing gases with variable mixing ratios in inhomogeneous atmospheres (T) (L), AO 16: 18
- Pierson, Arthur H.** See Stewart, Harold S., JOSA 64: 550
- Piestrup, M. A.** See Sheppard, John, JOSA 68: 629
- Pieterse, M. M. J.**  
—; Sluyters-Rehbach, M.; Sluyters, J. H.: Ellipsometry at a spherical object and its application to the determination of the optical constants of mercury from the mercury-air interface (E) (L), JOSA 69: 484
- Pietralla, M.** See Frank, W., AO 17: 1413
- Pietraszkiewicz, Kazimierz**  
Determination of the optimal reference sphere (T) (L), JOSA 69: 1045
- Tolerance of the refractive index gradient in optical elements (T), AO 17: 1697
- ; Zajac, Marek: Transfer function of coherent optical systems with quadratic detection (TE), JOSA 69: 628
- Pieuchard, Guy.** See Hayat, Gilbert S., JOSA 64: 1376
- Pigeon, J.** See Meunier, J. P., AO 18: 1290
- Pike, E. R.** See Oliver, C. J., AO 13: 158
- Pillie, R. J.** See Mack, E. J., JOSA 67: 257
- Pillai, P. K. C.**  
—; Shriver, E. L.: Photoinduced polarization properties of LiIO<sub>3</sub> single crystal (E), AO 14: 2978
- Piltch, Martin S.** See Barnes, Norman P., JOSA 67: 628, JOSA 69: 178; Eckhardt, Roger C., OL 4: 112
- Pimentel, George C.** See Reilly, James P., AO 15: 2372
- Pina, Madeline.** See Cooney, John A., AO 15: 602
- Pincus, Philip A.** See Elliott, Richard A., JOSA 68: 1369, AO 18: 3315; Fossey, Michael E., JOSA 68: 540
- ; Elliott, Richard A.; Kerr, J. Richard: Conditional fading statistics of scintillation (E) (A), JOSA 68: 756
- ; Fossey, Michael E.; Holmes, J. Fred; Kerr, J. Richard: Speckle propagation through turbulence: experimental (E), JOSA 68: 760
- ; Kerr, J. Richard: Spectral covariance of scintillations (E) (L), AO 15: 2305
- Pine, A. S.** See Coulombe, M. J., AO 18: 1505
- Doppler-limited molecular spectroscopy by difference-frequency mixing (E), JOSA 64: 1683
- High-resolution methane  $\nu_3$ -band spectra using a stabilized tunable difference-frequency laser system, JOSA 66: 97
- Pinet, D.** See Clement, M., AO 13: 1621
- Pinkley, Larry W.** See Downing, Harry D., JOSA 67: 186; Sethna, Prochy P., JOSA 67: 499, JOSA 68: 429; Williams, Dudley, JOSA 66: 1065
- ; Williams, Dudley: Infrared optical constants of sulfuric acid at 250 K (ET), JOSA 66: 122
- ; Sethna, Prochy P.; Williams, Dudley: Optical constants of liquid methane in the infrared (E), JOSA 68: 186
- ; Sethna, Prochy P.; Williams, Dudley: Optical constants of water in the infrared: Influence of temperature (ET), JOSA 67: 494
- ; Williams, Dudley: Optical properties of sea water in the infrared (E), JOSA 66: 554
- Pinnick, R. G.** See Bruce, Charles W., JOSA 67: 257, AO 16: 1762; Chylek, Petr, AO 18: 1123; Jennings, S. G., AO 17: 3922, AO 18: 1368
- ; Carroll, D. E.; Hofmann, D. J.: Polarized light scattered from monodisperse randomly oriented nonspherical aerosol particles: measurements (E), AO 15: 384
- ; Hoihjelle, D. L.; Stenmark, E. B.; Lindberg, James D.: Vertical inhomogeneity in atmospheric fog and haze and its effects on infrared extinction (A), JOSA 68: 540
- Pinnington, Eric H.** See Donnelly, Keith E., JOSA 67: 1384, JOSA 68: 1000, JOSA 68: 1787; Irwin, David J. G., JOSA 66: 1396
- ; Gosselin, Robert N.: Beam-foil measurements of the oscillator strength of the resonance doublet in the seven-times ionized noble gases (A), JOSA 68: 1446
- ; Kernahan, J. A.; Donnelly, Keith E.: Beam-foil spectroscopy of bromine from 450 to 1000 Å (E), JOSA 67: 162
- ; Kernahan, J. A.; Donnelly, Keith E.: Beam-foil spectroscopy of bromine from 450 to 1000 Å (errata), JOSA 67: 853
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- ; Gosselin, Robert N.; Brooks, Robert L.; Irwin, David J. G.: Cascade correction in beam-foil lifetime measurements (A), JOSA 67: 1384
- Radiative lifetimes of some levels of Xe I and Xe II (E) (L), JOSA 65: 218
- Pinnow, D. A.** See Benson, W. W., AO 14: 2815; Ostermayer, F. W., Jr., JOSA 64: 527; Rich, T. C., AO 13: 1376
- ; Rich, T. C.: Measurements of the absorption coefficient in fiber optical waveguides using a calorimetric technique (ET) (L), AO 14: 1258
- ; Wemple, S. H.; Rich, T. C.; Van Uitert, L. G.: Refractive index and energy-gap behavior of the borosilicate-glass system (A), JOSA 64: 525
- Pinsky, E.** See Ben-Yosef, N., AO 18: 2462, JOSA 69: 1616
- Pinson, L. J.**  
—; Kulas, C. E.: Contrast reduction of broadband optical signals by the atmosphere, JOSA 68: 754
- Pinson, Pierre**  
High resolution infrared spectrometer in the 8–10- $\mu\text{m}$  range (E), AO 13: 1618
- Pinter, Paul J., Jr.** See Jackson, Ray D., AO 18: 3730, AO 18: 3775
- Pipes, J. G.** See Wood, B. E., AO 15: 940
- Pipher, J. L.**  
—; Savedoff, M. P.; Duthie, J. G.: Spherical lamellar grating interferometer for airborne astronomical observations of far infrared objects (E), AO 16: 233
- Pipkin, F. M.**  
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—; Sigillito, V. G.: Analysis of optically pumped CO<sub>2</sub> laser (T), AO 13: 2799
- Pitlak, R. T.**  
—; Page, R.: Practical limitations of transmission holography in particle analysis (A), JOSA 66: 384
- Pitt, A. N.** See Savage, J. A., AO 16: 2938
- ; Savage, J. A.; Webber, P. J.: Assessment of Ge-As-Se 8–12  $\mu\text{m}$  infrared optical glasses for applications in thermal imaging systems (A), JOSA 67: 255
- Pitt, I. T.**  
—; Winter, L. M.: Effect of surround on perceived saturation (E), JOSA 64: 1328
- Pitz, E.** See Bridges, J. M., AO 16: 1788
- ; Leinert, C.; Schulz, A.; Link, H.: Astro 7 zodiacal light UV polychromator and its absolute radiometric calibration (E), AO 17: 730
- Nonlinearity measurements on photometric devices (E), AO 18: 1360
- Planet, Walter G.** See Knoll, John S., AO 15: 2973; Weinreb, Michael P., JOSA 67: 1377
- Plant, T. K.** See Abrams, Richard L., JOSA 66: 389
- ; DeTemple, T. A.: Efficient, high-power CHF<sub>3</sub> 496  $\mu\text{m}$  laser systems (A), JOSA 66: 386
- Plaskett, J. S.** See Allen, L., JOSA 69: 167
- Plass, Gilbert N.** See Guinn, John A., Jr., AO 18: 842; Hitzfelder, Stephen J., AO 15: 2489; Kattawar, George W., AO 15: 632, AO 15: 3166, AO 16: 1130
- Actinometry, Atmospheric Optics, Ozonometry. Edited by G. P. Gushchin (B), JOSA 65: 1529
- ; Humphreys, Terry J.; Kattawar, George W.: Color of the ocean (T), AO 17: 1432
- ; Kattawar, George W.; Guinn, John A., Jr.: Isophotes of sunlight glitter on a wind-ruffled sea (T), AO 16: 643
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- Polarization and ellipticity of light scattered from a haze layer (A), JOSA 64: 1389
- ; Kattawar, George W.; Guinn, John A., Jr.: Radiance distribution over a ruffled sea: contributions from glitter, sky, and ocean (T), AO 15: 3161
- ; Kattawar, George W.; Guinn, John A., Jr.: Radiative transfer in the earth's atmosphere and ocean: influence of ocean waves (T), AO 14: 1924
- Platt, Ben C.** See Icenogle, H. W., AO 15: 2348
- ; Icenogle, H. W.; Harvey, J. E.; Korniski, Ronald J.; Wolfe, William L.: Measuring the refractive index and its change with temperature in the infrared (E), JOSA 65: 1264
- Platt, C. M. R.** See Allen, R. J., AO 16: 3193
- Platz, P.** See Lasalle, J., AO 18: 4124
- Pleibel, W.** See Ramaswamy, V., AO 18: 4080
- Plessner, K. W.** See Chadwick, D., JOSA 67: 709
- Plews, Gordon S.** See Neiswander, Robert S., AO 14: 2720
- Ploehn, H.-J.** See Andrae, H. J., JOSA 65: 1410
- Plonus, M. A.** See Gardner, C. S., JOSA 64: 68; Wang, S. C. H., JOSA 68: 1369, AO 18: 1133, JOSA 69: 1297
- Plotz, G. A.**  
—; Simon, H. J.; Tucciarone, J. M.: Enhanced total reflection with surface plasmons (T), JOSA 69: 419
- Plsko, E.**  
Colloquium spectroscopicum internationale XVII, Florence, 16–22 Sep 1973 (M), AO 13: 455



- Pluchino, Antonino B.** See Kachmarsky, J., AO 15: 708  
Infrared emissivity of single water droplets (L), AO 18: 4065
- Plummer, W. A.** See Gulati, S. T., JOSA 65: 1215
- Plummer, William T.**  
Fast automatic lens testing for extended-field image quality (ET), AO 15: 805  
Focus screen optimization (TE), AO 14: 2762  
Photographic shutters: better pictures with a reconsideration of shutter efficiency (TE), AO 16: 1914
- Pobboravsky, Irving.** See Pearson, Milton, JOSA 65: 323
- Pocholle, J. P.** See Jeunhomme, L., AO 14: 2400, AO 15: 3040, AO 17: 463
- Pockrand, I.** See Rosengart, E.-H., OL 1: 194  
—; Swalen, J. D.: Anomalous dispersion of surface plasma oscillations (TE) (L), JOSA 68: 1147  
—; Raether, H.: Surface plasma oscillations at sinusoidal silver surfaces (E) (L), AO 16: 1784  
—; Raether, H.: Surface plasma oscillations at sinusoidal silver surfaces (errata), AO 16: 2803
- Podzimek, O.** See Brouwer, G. F., AO 17: 1163
- Poggio, Gian F.**  
Functional properties of neurons in the visual cortex of the awake, behaving monkey (A), JOSA 66: 1086
- Poggio, Tomaso.** See Marr, David, JOSA 67: 1400, JOSA 69: 914  
The "fly" machine (A), JOSA 67: 1399
- Pogorzelski, Ronald J.** See Tsai, Wen-Chung, JOSA 65: 1457, JOSA 66: 401
- Pohl, Dieter W.**  
—; Badertscher, R.; Wachter, P.; Mueller, K. A.: Laser-induced phase transition in the surface of SmS crystals (E), AO 13: 95  
—; Holtzberg, F.: Laser writing—reading with SmS thin films (E) (L), AO 14: 1060  
Stacked optical memories (T), AO 13: 341
- Pointer, M. R.**  
Color discrimination as a function of observer adaptation (E), JOSA 64: 750
- Pokorny, Joel.** See Burns, Stephen A., JOSA 69: 1405, JOSA 69: 1406; Smith, Vivianne C., JOSA 66: 1103, JOSA 67: 1375, JOSA 67: 1381, JOSA 68: 1392, JOSA 67: 213  
—; Bowen, Richard W.; Lindsey, Delwin T.: Duration thresholds for chromatic stimuli (A), JOSA 67: 1380  
—; Bowen, Richard W.; Lindsey, Delwin T.; Smith, Vivianne C.: Duration thresholds for chromatic stimuli (TE), JOSA 69: 103  
—; Lindsey, Delwin T.; Bowen, Richard W.; Smith, Vivianne C.: Duration thresholds for chromatic stimuli (errata), JOSA 69: 1049  
—; Smith, Vivianne C.: Effect of field size on red-green color mixture equations (ET), JOSA 66: 705  
—; Smith, Vivianne C.: Evaluation of single-pigment shift model of anomalous trichromacy (TE), JOSA 67: 1196  
—; Smith, Vivianne C.; Moreland, J. D.: Photopigments in anomalous trichromats (E) (L), JOSA 65: 1522  
—; Smith, Vivianne C.: Spectral locus of unique yellow in anomalous trichromats (A), JOSA 66: 1103
- Polaert, R.** See Eschard, G., AO 13: 2187
- Poland, A. I.** See Csoekoe-Poekkh, A., AO 16: 931  
—; Gosling, J. T.; MacQueen, R. M.; Munro, R. H.: Radiance calibration of the high altitude observatory white-light coronagraph on Skylab (E), AO 16: 926
- Polder, D.** See Schuurmans, M. F. H., JOSA 68: 699
- Pole, Robert V.** See Latta, M. R., AO 18: 2418; Salimbeni, R., JOSA 69: 1454; Wollenmann, Hans-Peter, JOSA 64: 562  
—; Latta, M. R.: Design techniques for forming 488 nm holographic lenses with reconstruction at 633 nm (A), JOSA 68: 1443  
—; Wollenmann, Hans-Peter: Holographic laser beam deflector (TE), AO 14: 976  
—; Werlich, Harold W.; Krusche, R. J.: Holographic light deflection (ET), AO 17: 3294  
—; Conwell, Esther M.; Kogelnik, H.; Tien, P. K.; Whinnery, John R.; Yariv, Amnon; De Maria, Anthony J.: Integrated optics: a report on the 2nd OSA Topical Meeting (R), AO 14: 569  
—; Werlich, Harold W.: Performance characteristics of a holographic laser beam deflector (A), JOSA 66: 385
- Polimadei, R. A.** See Blake, K., AO 13: 1272
- Politch, Jacob.** See Assa, A., AO 16: 2504  
Analytical considerations for interferometry with two independently modulated beams (T), JOSA 65: 1003  
—; Segal, M.: Holographic measurements of refractive-index changes (TE), OL 3: 33  
Laser speckle interferometry of semi-Lambertian reflecting surfaces (TE), AO 17: 2329  
—; Schmutter, B.: Measurements on images retrieved from holograms (TE), AO 13: 140
- Polk, R. G.** See Miller, T. G., JOSA 65: 1191
- Polky, John N.**  
—; Mitchell, Gordon L.: Metal-clad planar dielectric waveguide for integrated optics (T), JOSA 64: 274
- Pollack, James B.** See Toon, Owen B., JOSA 67: 260
- Pollack, M. A.** See Rigrod, W. W., JOSA 65: 46  
—; Nahory, R. E.: Continuous wave double heterostructure LED and laser sources for the 1  $\mu$ m wavelength region (A), JOSA 66: 288
- Pollaine, S.**  
—; Buffington, Andrew; Crawford, F. S.; Muller, R. A.: Measurement of the phase structure function (A), JOSA 68: 539  
—; Buffington, Andrew; Crawford, F. S.: Measurement of the size of the isoplanatic patch using a phase-correcting telescope (E), JOSA 69: 84
- Pollak, Fred H.** See Vanier, P. E., JOSA 67: 252, AO 16: 2858
- Pollakoff, Martyn**  
—; Davies, Brian; McNeish, Allister; Smith, Kenneth P.; Turner, James J.: Infrared laser-induced photochemistry at low temperatures (A), JOSA 68: 693
- Pollock, C. R.** See Feldman, B. J., OL 2: 16; Kasper, J., JOSA 68: 1357  
—; Litfin, Gerd; Curl, Robert F.; Tittel, F. K.: Color-center laser spectrometer for detection of free radicals (A), JOSA 69: 1463  
—; Kasper, J.; Ernst, G. K.; Ernst, W. E.; Blit, S.; Tittel, F. K.: Computer controlled cw laser spectrometer (E), AO 18: 1907
- Polster, Harry D.**  
Fresnel zone plate: a second-order approximation (T) (L), AO 14: 1055  
Sensitivity of shearing interferometer (A), JOSA 64: 559
- Pomerantzeff, Oleg**  
—; Eng, D.: "Equator-plus" ophthalmoscope and fundus camera (A), JOSA 65: 1210
- Pond, C. R.** See Nichols, D. B., JOSA 66: 1109  
—; Hall, R. B.; Nichols, D. B.: HF laser spectral analysis using near-field holography (E), AO 16: 67
- Pong, W.**  
—; Inouye, C. S.: Photoemission studies of LaF<sub>3</sub> (E), JOSA 68: 521
- Ponomarev, Yu. N.** See Antipov, A. B., AO 18: 3014
- Pons, A.** See Corrons, A., AO 18: 2902
- Pons, Jacques.** See Rasigni, Monique, OL 1: 126
- Poole, S. P.** See Burch, J. M., JOSA 69: 1418
- Poon, K. K.** See Tang, K. T., JOSA 64: 1582
- Poon, T. C.**  
—; Korpel, Adrianus: Optical transfer function of an acousto-optic heterodyning image processor (ET), OL 4: 317
- Pope, Thomas P.** See Title, Alan M., AO 13: 2675
- Popelka, Susan Huberty.** See Bergsten, Ronald, JOSA 69: 584
- Popovic, Zoran D.**  
—; Menzel, E. Roland: Picosecond fluorescence spectroscopy with a cw laser (A), JOSA 67: 1441
- Porcello, Leonard J.**  
Speckle reduction in synthetic-aperture radars (A), JOSA 66: 179  
—; Massey, Norman G.; Innes, Richard B.; Marks, James M.: Speckle reduction in synthetic-aperture radars (TE), JOSA 66: 1305
- Porch, William M.**  
—; Lovill, James E.: Application of satellite image analysis to transport and deposition studies of dust storm aerosol (A), JOSA 67: 258  
—; Ensor, David S.; Charlson, Robert J.: Visibility of distant mountains as a measure of background aerosol pollution (TE), AO 14: 400
- Porteus, J. O.**  
—; Bennett, H. E.; Soileau, M. J.: Focusing method used in laser damage experiments (E) (L), AO 15: 2024
- Porth, R. W.**  
—; Granger, E. M.: Modulated transfer function from edges using constrained least-square cubic splines (A), JOSA 69: 1450
- Portnoy, E. L.** See Alferov, Zh. I., JOSA 66: 288
- Porto, S. P. S.** See Barbosa, G. A., JOSA 68: 610
- Post, Daniel**  
Moire interferometry with white light (E), AO 18: 4163
- Post, Madison J.** See Schwiesow, R. L., AO 16: 1145  
—; Hall, Freeman F., Jr.; Pratte, J. Francis: Atmospheric optics of infrared Doppler lidar wind measurements from space (A), JOSA 68: 1434  
Effects of the earth's atmosphere on a spaceborne IR Doppler wind-sensing system (T), AO 18: 2645  
—; Lerfald, Gordon M.: Experimental measurements of atmospheric aerosol inhomogeneities (A), JOSA 68: 540  
Experimental measurements of atmospheric aerosol inhomogeneities (E), OL 2: 166  
Limitations of cloud droplet size distribution by Backus-Gilbert inversion of optical scattering data (TE), JOSA 66: 483  
—; Schwiesow, R. L.: Temporal and spatial frequency spectra for atmospheric aerosols (A), JOSA 67: 259
- Post, Robert B.** See White, Keith D., JOSA 69: 1424  
—; Owens, R. L.; Owens, D. Alfred; Leibowitz, Herschell W.: Correction of empty-field myopia on the basis of the dark-focus of accommodation (TE), JOSA 69: 89
- Potapov, V. K.** See Antonov, V. S., OL 3: 37
- Potatarkin, O. I.**  
Incoherent diffraction correlator with a holographic filter (T), AO 18: 4203
- Pouey, Michel**  
Design of simple rotating stigmatic concave grating monochromators (T) (L), AO 13: 2739  
Focusing property of holographic gratings (A), JOSA 64: 538  
Second-order focusing conditions for ruled concave gratings (T), JOSA 64: 1616
- Poukey, J. W.** See Miller, P. A., JOSA 68: 545
- Poularikas, A. D.** See Hsing, To R., JOSA 69: 1466  
—; Hsing, To R.: Effects of turbulence on resolution of images on TV displays (A), JOSA 65: 1186
- Poulsen, O.** See Childs, W. J., OL 4: 35, OL 4: 63
- Poultney, Sherman K.**  
Imaging through the atmosphere, SPIE/SPSE Technical Symposium East: seminar 1, 21-23 Mar 1976 (M), AO 15: 1663  
—; Brumfield, M. L.; Siviter, J. H., Jr.: Quantitative remote measurements of pollutants from stationary sources using Raman lidar (E), AO 16: 3180
- Pound, R. V.** See Vetterling, W. T., JOSA 66: 1048
- Pourny, J. C.**  
—; Renaut, D.; Orszag, A. G.: Raman-lidar humidity sounding of the atmospheric boundary-layer (E), AO 18: 1141
- Powell, C. J.** See Morissey, B. W., AO 14: 2056
- Powell, H. T.**  
—; Ewing, J. J.: Forbidden transition selenium atom photodissociation lasers (A), JOSA 68: 711  
—; Szoek, A.; Winter, N.: Spectroscopy and kinetics of mixed rare-gas ions (A), JOSA 68: 704  
—; Ewing, J. J.: Status of photolytic group VI laser experiments (A), JOSA 68: 548
- Powell, Ian**  
Optical design and analysis program (T), AO 17: 3361
- Powell, R. A.** See Sheppard, John, JOSA 68: 629
- Powell, W. Richard**  
Absorber for solar power (T), AO 13: 2430  
Evaluation of nonisothermal semi-infinite cylinder with specularly reflecting walls as a blackbody source (T), AO 13: 593  
Transmission characteristics of specularly reflecting light pipes uniformly irradiated by obliquely inclined rays (T), AO 13: 952
- Powers, Edward J.** See Knopp, Jerome, JOSA 66: 150
- Powers, Edward M.** See Ebersole, John F., JOSA 68: 1358
- Powers, L. V.** See Johnson, R. R., JOSA 68: 544
- Powers, Maureen K.**  
—; Green, Daniel G.; Banks, Martin S.: Depth of focus, eye size, and visual acuity (A), JOSA 68: 1427



- ; Teller, Davida Y.: Scotopic spectral sensitivity of 3-month-old human infants (A), JOSA 69: 1478
- Powers, Robert S.**
- ; Goodman, Joseph W.: Error rates in computer-generated holographic memories (A), JOSA 64: 1395
- ; Goodman, Joseph W.: Error rates in computer-generated holographic memories (T), AO 14: 1690
- Praddaude, H. C.** See Woskoboinikow, P., JOSA 68: 1394, OL 4: 199
- Prade, B. S.** See Andre, Y. V., AO 18: 2607; Boyer, G. R., AO 18: 1217, JOSA 65: 1319, JOSA 68: 471; Lamouroux, B. F., AO 16: 1993
- Pradere, Francois.** See Frey, Robert, JOSA 68: 637
- Prasad, Sheila.** See Marathay, Arwind S., JOSA 67: 1366
- Prat, Roland.** See Dupoisot, Henri, AO 17: 3930, AO 18: 85, AO 18: 1476
- Pratesi, Riccardo.** See Burlamacchi, P., AO 14: 79, AO 14: 1311, AO 15: 2684, AO 16: 1553
- ; Ronchi, Laura: Generalized Gaussian beams in free space (T), JOSA 67: 1274
- Pratt, Patrick D.**
- Optical heterodyne radar (lidar) for precision missile tracking and missile guidance (A), JOSA 66: 380
- Pratt, William K.**
- Image coding (A), JOSA 66: 173
- Interactive Pattern Recognition. By Yi-Tzue Chien (B), AO 17: 3510
- ; Mancill, Clanton E.: Spectral estimation techniques for the spectral calibration of a color image scanner (TE), AO 15: 73
- Pratte, F.**
- ; Westwater, E. R.: Characterization of high extinction weather for a ground-based infrared pulsed Doppler lidar (A), JOSA 68: 540
- Pratte, J. Francis.** See Post, Madison J., JOSA 68: 1434
- Praudisch, Manfred**
- Deposition of dielectric layers of metallic oxides (A), JOSA 66: 162
- Predehl, P.** See Braeuninger, H., AO 18: 368, AO 18: 3502
- ; Haelbich, R.-P.; Braeuninger, H.: Transmission grating efficiencies in the 50–250-Å range (E) (L), AO 18: 2906
- Priester, H.**
- ; Riedel, W.; Maier, H.; Bleicher, M.: Double heterostructure lead-salt lasers for high-resolution gas spectroscopy (A), JOSA 66: 384
- Preonas, D. D.**
- Ultra-precision photometry of antireflection coatings (A), JOSA 66: 165
- Presby, Herman M.** See Cohen, Leonard G., JOSA 69: 1448, AO 14: 1361; Kaiser, P., JOSA 67: 707; Kaminow, Ivan P., JOSA 66: 1101, JOSA 67: 709, AO 16: 108; Marcuse, Dietrich, JOSA 67: 709, JOSA 69: 1457, AO 16: 2383, AO 18: 14, AO 18: 402, AO 18: 3242, AO 18: 3758, JOSA 65: 367; Tasker, G. W., AO 17: 1836
- ; Aste, H. W.; Marcuse, Dietrich: Automatic refractive-index profiling of optical fibers (E), AO 17: 2209
- ; Kaminow, Ivan P.: Binary silica optical fibers: refractive index and profile dispersion measurements (E), AO 15: 3029
- ; Kaminow, Ivan P.: Binary silica optical fibers: refractive index and profile dispersion measurements (errata), AO 17: 3530
- ; Cohen, Leonard G.; Marcuse, Dietrich: Calculation of bandwidth from index profiles of optical fibers. 2: Experiment (ET), AO 18: 3249
- Detection of geometric perturbations in optical fibers (E), AO 16: 695
- Ellipticity measurement of optical fibers (E), AO 15: 492
- Optical dispersion of unclad fibers over limited wavelengths (E) (L), AO 13: 465
- ; Marcuse, Dietrich: Optical fiber preform diagnostics (E), AO 18: 23
- ; Marcuse, Dietrich: Preform index profiling (PIP) (E), AO 18: 671
- ; Marcuse, Dietrich: Refractive index and diameter determinations of step index optical fibers and preforms (E), AO 13: 2882
- Refractive index and diameter measurements of unclad optical fibers (TE), JOSA 64: 280
- ; Marcuse, Dietrich; French, William G.: Refractive-index profiling of single-mode optical fibers and preforms (E), AO 18: 4006
- Presle, G.** See Horvath, H., AO 17: 1303
- Pressley, R. J.**
- Solid-state lasers (A), JOSA 66: 384
- Pressman, A. E.** See Melfi, S. Harvey, JOSA 66: 386
- Preston, R. C.** See Key, P. J., AO 16: 2477
- Preston, R. K.** See Solarz, R. W., JOSA 68: 695
- Prestwich, K. R.** See Buttram, M., JOSA 68: 545
- Prewitt, Judith M. S.**
- Two decades of medical image processing (A), JOSA 66: 167
- Pribram, John K.** See Sapp, Edwin, AO 14: 2565
- Price, B. J.** See Salzman, G. C., JOSA 66: 387
- Price, K. D.** See Pearson, James E., JOSA 66: 392
- Pridmore, Ralph W.**
- Complementary colors: composition and efficiency in producing various whites (T), JOSA 68: 1490
- Pries, Thomas H.** See Smith, Jack, AO 14: 1161
- Priest, Richard G.** See Jackson, D. A., JOSA 67: 1420, AO 17: 2981; Steinberg, R. A., AO 16: 2166
- Computer Programs for Infrared Spectrophotometry. Edited by R. Norman Jones *et al.* (B), AO 17: 3856
- Primmerman, C. A.**
- ; Fouche, D. G.: Experimental observations of thermal-blooming compensation using a deformable mirror system (A), JOSA 65: 1212
- ; Fouche, D. G.: Thermal-blooming compensation: experimental observations using a deformable-mirror system (E), AO 15: 990
- ; Johnson, F. B.; Wigdor, I.: Thermal-blooming compensation using the CLASP system (E), AO 17: 2909
- Prince, R. H.** See Sayer, Richard J., JOSA 67: 1418
- Pringle, R.** See Buchheim, R. K., AO 17: 165
- Prinz, D. K.** See Hunter, W. R., JOSA 67: 1439, AO 16: 3171
- Prior, Yehiam**
- ; Vogt, Hans: Absolute determination of two-photon absorption (TPA) cross sections (A), JOSA 68: 1423
- Pritchard, David E.**
- Atomic and Laser Spectroscopy. By Alan Corney (B), JOSA 68: 1286
- Pritchard, H. O.**
- ; Nicholls, Ralph W.; Lakshmi, A.: Ultraviolet sensitization of silicon detectors for space astronomical applications (E) (L), AO 18: 2085
- Pritchett, Chris.** See Ahern, Francis J., AO 13: 2240
- Pritts, James.** See Baumeister, Philip W., AO 18: 3127
- Proch, D.** See Fub, W., JOSA 68: 710
- Proenza, Luis M.**
- Transient sensitization in proximal retina of *Necturus* (A), JOSA 64: 1403
- Prokhorov, A. M.** See Akulin, V. M., JOSA 68: 694; Karlov, N. V., JOSA 68: 686, AO 17: 856; Zaruslov, D. Yu., JOSA 68: 669; Zolotov, E. M., JOSA 66: 288
- Progress in integrated optics in the USSR (A), JOSA 68: 633
- Prospero, J. M.**
- ; Carlson, T. N.; Savoie, D.; Nees, R. T.: Atmospheric turbidity over the northern equatorial Atlantic during the summer of 1974: impact of north African aerosols (A), JOSA 67: 256
- Provorov, A. C.** See Wallace, Stephen C., JOSA 67: 1441
- Prucnal, Paul R.** See Teich, Malvin Carl, JOSA 67: 1426, JOSA 68: 1454, JOSA 69: 1469, OL 1: 208
- ; Teich, Malvin Carl: Increment threshold law for sources of arbitrary statistics (A), JOSA 69: 1433
- ; Teich, Malvin Carl: Optimum detection in optical communications with a simple counting processor (A), JOSA 68: 1384
- ; Teich, Malvin Carl: Single-threshold detection of a random signal in noise with multiple independent observations. 1: Discrete case with application to optical communications (T), AO 17: 3576
- ; Teich, Malvin Carl: Statistical properties of counting distributions for intensity-modulated radiation (A), JOSA 68: 1421
- ; Teich, Malvin Carl: Statistical properties of counting distributions for intensity-modulated sources (TE), JOSA 69: 539
- Prypniwicz, Ryszard J.**
- ; Stetson, Karl A.: Determination of sensitivity vectors in hologram interferometry from two known rotations of the object (A), JOSA 69: 1402
- Determination of the sensitivity vectors directly from holograms (T) (L), JOSA 67: 1351
- Experimental implementation of the fringe vector method of holographic strain analysis (A), JOSA 66: 1085
- Holographic determination of rigid-body motions, and application of the method to orthodontics (T), AO 18: 1442
- Holographic strain analysis: an experimental implementation of the fringe-vector theory (ET), AO 17: 3613
- ; Stetson, Karl A.: Holographic strain analysis: extension of fringe-vector method to include perspective (T), AO 15: 725
- ; Stetson, Karl A.: Strain analysis to include perspective (A), JOSA 65: 1223
- ; Bowley, W. W.: Techniques of holographic displacement measurement: an experimental comparison (ET), AO 17: 1748
- ; Bowley, W. W.: Techniques of holographic displacement measurement: an experimental comparison (errata), AO 17: 2873
- Psaltis, Demetri.** See Casasent, David, OL 4: 18, AO 15: 1795, AO 15: 2015, AO 16: 1472, AO 17: 655
- ; Casasent, David: Deformation invariant optical processors using coordinate transformations (T), AO 16: 2288
- ; Casasent, David; Carlotto, Mark: Iterative color-multiplexed, electro-optical processor (TE), OL 4: 348
- ; Casasent, David: Optical residue arithmetic: a correlation approach (TE), AO 18: 163
- ; Casasent, David: Phase determination of an amplitude modulated complex wavefront (TE), AO 17: 1136
- ; Casasent, David: Space-variant ambiguity function processor (TE), AO 18: 1869
- ; Casasent, David: Time- and space-integrating spectrum analyzer (T) (L), AO 18: 3203
- Pucci, D.** See Burlamacchi, P., AO 16: 1553
- Pucillo, Mauro.** See De Biase, Giuseppe A., AO 17: 435
- Pucilowski, J.**
- ; Schuman, R.; Velasquez, J.: Contrast enhancement of light emitting diode displays (T), AO 13: 2248
- Pueschel, R. F.**
- ; Kuhn, Peter M.: Infrared extinction of tropospheric aerosols: Effluents from a coal-fired powerplant (A), JOSA 67: 257
- Pugh, D. J.** See Kaufmann, G. H., JOSA 69: 1422
- Pugh, E. R.**
- ; Wallace, James; Jacob, J. H.; Northam, D. B.; Daugherty, J. D.: Optical quality of pulsed electron-beam sustained lasers (TE), AO 13: 2512
- Pugh, Edward N., Jr.**
- Nature of the  $\Pi_1$  clock mechanism of W. S. Stiles (A), JOSA 65: 1199
- Pugh, L. A.** See Knoll, John S., AO 15: 2973
- Pulfrey, R. E.**
- Optically stabilized power supply for mercury arc lamp far IR sources (L), AO 15: 308
- Pulker, H. K.** See Guenther, K. H., AO 15: 2992
- Characterization of optical thin films (A), JOSA 68: 1417
- Characterization of optical thin films (R), AO 18: 1969
- ; Paesold, G.; Ritter, Elmar: Refractive indices of  $\text{TiO}_2$  films produced by reactive evaporation of various titanium-oxygen phases (E), AO 15: 2986
- Pulos, Elizabeth.** See Smith, S. J., JOSA 66: 1120
- ; Makous, Walter: Sensitization following offset of an annulus (A), JOSA 69: 1452
- Pummet, H.** See Kligler, Daniel J., JOSA 68: 548
- ; Eggelston, J.; Bichel, William K.; Rhodes, Charles K.: Modification of the UV absorption profile of  $\text{CF}_3\text{I}$  with vibrational excitation (A), JOSA 68: 549
- Pundsack, A. L.**
- ; Cheng, Y. C.; Hartmann, G. C.; Marks, L. M.: Optical properties of particle migration imaging film (ET), AO 17: 2650
- Puplett, E. F.** See Carli, B., JOSA 67: 917
- Purcell, J. D.** See Bartoe, John-David F., AO 16: 879; Crockett, W. R., AO 16: 893; Tousey, Richard, AO 16: 870



- Purdie, Neil.** See Farrow, Michael M., AO 17: 1093
- Puretzky, A. A.** See Ambartzumian, R. V., JOSA 68: 686, OL 1: 22, OL 3: 103
- Purks, Stephen R.** See Richards, Whitman, JOSA 68: 270
- ; Richards, Whitman: Visual texture discrimination using random-dot patterns (ET), JOSA 67: 765
- Pusey, P. N.** See Jakeman, E., JOSA 66: 179, JOSA 68: 540, JOSA 66: 1175; Parry, G., JOSA 69: 1412, JOSA 69: 796
- Pyatt, K. W.** See Day, Gordon W., AO 15: 1865
- Pyle, B. E.** See Latimer, Paul, AO 17: 3152
- ; Brunsting, Albert; Latimer, Paul: Detection of the vacuole of yeast cells in suspension by transmittance radiometry (ET), AO 18: 3615
- Qualey, J. R., III.** See Wiggins, T. A., AO 18: 960
- Quaresima, C.** See Rosei, R., OL 1: 217
- Quate, C. F.**  
Scanning acoustical microscope (A), JOSA 68: 1382  
Scanning acoustic microscope (A), JOSA 64: 1392
- Quattropiani, A.** See Baltes, H. P., JOSA 65: 1198
- Quay, Paul M.**  
Quantum Statistics in Optics and Solid-State Physics. By R. Graham and F. Haake (B), JOSA 64: 1729
- Quelle, Fred W., Jr.**  
—; Wood, Albert D.: Gas Dynamic Lasers: An Introduction. By John D. Anderson, Jr. (B), AO 16: 789
- Quelly, T. J.** See Burak, L., JOSA 68: 1642
- Quenzel, Heinrich.** See Koepke, P., JOSA 67: 258, AO 17: 2114
- Aerosol size distribution inverted from spectral solar attenuation plus scattering measurements (A), JOSA 67: 256
- Querry, Marvin R.** See Hale, George M., JOSA 68: 1403; Holland, Wayne E., JOSA 65: 1170; Jordan, Ray E., Jr., JOSA 65: 1170; Tyler, I. L., AO 17: 960
- ; Osbourn, Gordon C.: Complex refractive index from time-domain analysis of absolute, relative, or ratio reflectance spectra measured at an oblique angle (A), JOSA 65: 1170
- ; Holland, Wayne E.; Waring, Richard C.: Complex refractive index in the infrared for NaCl, NaNO<sub>3</sub>, and NaHCO<sub>3</sub> in water (E), JOSA 66: 830
- ; Osbourn, Gordon C.; Lies, Ken; Coveney, Raymond M., Jr.; Jordan, Ray E., Jr.: Complex refractive index of limestone in the visible and infrared (E), AO 17: 353
- ; Tyler, I. L.: Complex refractive indices in the infrared for H<sub>3</sub>PO<sub>4</sub> in water (A), JOSA 68: 1404
- ; Holland, Wayne E.: Kramers-Kronig analysis of ratio reflectance spectra measured at an oblique angle (T), AO 13: 595
- ; Waring, Richard C.; Holland, Wayne E.; Earls, Leonard M.; Herrman, Mary D.; Nijm, William P.; Hale, George M.: Optical constants in the infrared for K<sub>2</sub>SO<sub>4</sub>, NH<sub>4</sub>H<sub>2</sub>PO<sub>4</sub>, and H<sub>2</sub>SO<sub>4</sub> in water (E), JOSA 64: 39
- ; Holland, Wayne E.; Osbourn, Gordon C.; Coveney, Raymond M., Jr.; Waring, Richard C.: Reflectance and optical constants of limestone in 0.2–32.8- $\mu$ m wavelength region (A), JOSA 64: 530
- ; Cary, Philip G.; Waring, Richard C.: Split-pulse laser method for measuring attenuation coefficients of transparent liquids: application to deionized filtered water in the visible region (E), AO 17: 3587
- Querzola, Bruno**  
High accuracy distance measurement by two-wavelength pulsed laser sources (E), AO 18: 3035
- Quick, C. R., Jr.**  
—; Wittig, Curt: Infrared photodissociation of halogenated ethanes and ethylenes: vibrational energy distribution in the HF fragment (A), JOSA 68: 693
- Quick, R. Frank, Jr.** See Bebel, Donald J., AO 18: 2830; Hamerly, James R., JOSA 65: 1184
- Hierarchical detection structures in vision (T) (L), JOSA 69: 794
- ; Lucas, Robert N.: Orientation selectivity in detection of chromatic gratings (E), OL 4: 306
- ; Hamerly, James R.: Spatial-frequency-channel bandwidth estimates: probability summation effects (A), JOSA 64: 1400
- ; Lucas, Robert N.: Spatial-frequency selectivity with color gratings (A), JOSA 68: 1400
- ; Mullins, W. W.; Reichert, T. A.: Spatial summation effects on two-component grating thresholds (E), JOSA 68: 1116
- Quigley, G. P.**  
Collisional effects in the multiphoton IR excitation of polyatomic molecules (A), JOSA 68: 1641
- Collisional effects in the multiple infrared photon absorption in SF<sub>6</sub> (E), OL 3: 106
- Optoacoustic studies of two-frequency infrared-laser pumping of SF<sub>6</sub> (E), OL 4: 84
- Quimby, R. S.**  
—; Yen, W. M.: Photoacoustical measurement of absolute quantum efficiencies in solids (A), JOSA 68: 1388
- ; Selzer, P. M.; Yen, W. M.: Photoacoustic cell design: resonant enhancement and background signals (L), AO 16: 2630
- ; Yen, W. M.: Photoacoustic measurement of absolute quantum efficiencies in solids (E), OL 3: 181
- Quinn, Thomas G., III.** See Johnson, Norman J. E., JOSA 64: 546
- Raab, Fred.** See Feldman, Mark, AO 17: 774
- Raamot, J.** See Jablonowski, D. P., AO 15: 1437
- ; Zaleckas, Vincent J.: Laser pattern generation using x-y beam deflection (ET), AO 13: 1179
- Rabedeau, M. E.** See Fleischer, J. M., JOSA 66: 381
- Rabinovitch, K.**  
—; Pagis, A.: Multilayer antireflection coatings: theoretical model and design parameters (T), AO 14: 1326
- ; Drucker, M.: Parameters for optimization of multilayer antireflection coatings (T), AO 18: 553
- Rabinow, Jacob**  
Advances in Image Pickup and Display, Volume 2. Edited by B. Kazan (B), AO 15: 1108
- Rabinowitz, P.** See Kaldor, Andrew, JOSA 68: 684; Stein, A., OL 3: 97
- ; Stein, A.; Brickman, R.; Kaldor, Andrew: Stimulated rotational Raman scattering from para-H<sub>2</sub> pumped by a CO<sub>2</sub> TEA laser (E), OL 3: 147
- ; Kaldor, Andrew; Brickman, R.; Schmidt, W.: Waveguide H<sub>2</sub> Raman laser (E) (L), AO 15: 2005
- Rabl, Ari.** See Collares-Pereira, M., AO 16: 2677; Pereira, M., JOSA 66: 1068
- ; Winston, Roland: Ideal concentrators for finite sources and restricted exit angles (T), AO 15: 2880
- Solar concentrators with maximal concentration for cylindrical absorbers (T), AO 15: 1871
- Solar concentrators with maximal concentration for cylindrical absorbers (T) (errata), AO 16: 15
- Rabson, Thomas A.** See Blit, S., AO 17: 721; Epton, P. J., AO 18: 1704; Woodbury, D. A., JOSA 68: 1442, AO 18: 2555
- Annual meeting, OSA, Houston, 15–18 Oct 1974 (M), AO 14: 257
- ; Kim, Dae M.; Shah, R. R.: Dynamic properties of mode-locked Nd<sup>3+</sup>: glass laser radiation (A), JOSA 64: 1359
- ; Tittel, F. K.; Shah, R. R.; Shah, P. L.: Pulsed holographic recording in ferroelectric crystals (A), JOSA 64: 1394
- Raccach, Paul M.** See Vanier, P. E., JOSA 67: 252, AO 16: 2858
- Radebaugh, Ray.** See Lawless, W. N., JOSA 64: 820, JOSA 64: 1730
- Radecki, D. J.** See McElroy, John H., AO 14: 1297
- Radha, T. S.** See Ramprasad, B. S., AO 17: 2670
- Radler, K.**  
—; Berkowitz, J.: Comparison of synchrotron and laboratory discharge light sources (E), JOSA 68: 1181
- Radley, R. J.** See Gurski, G. F., JOSA 67: 345
- Radostitz, J. V.** See Kuhn, Peter M., OL 3: 130
- Radziemski, Leon J., Jr.** See Blaise, Jean E., JOSA 66: 644; Cowan, Robert D., JOSA 64: 1474; Engleman, Rolf, Jr., AO 14: 2821; Kaufman, Victor, JOSA 66: 599
- Spectroscopy, 2nd edition. Edited by B. P. Straughan and S. Walker (B), JOSA 67: 1447
- ; Begley, Richard F.; Flicker, Herbert; Nereson, Norris G.; Reisfeld, Martin J.: Spectroscopy of <sup>12</sup>CF<sub>4</sub> features near the 9- $\mu$ m <sup>12</sup>C<sup>16</sup>O<sub>2</sub> R[10], R[12], and R[18] lines by CO<sub>2</sub>-laser and diode-laser spectroscopy (E), OL 3: 241
- ; Kaufman, Victor: Wavelengths, energy levels, and analysis of the second spectrum of chlorine (Cl II) (ET), JOSA 64: 366
- Raether, H.** See Pockrand, I., AO 16: 1784, AO 16: 2803
- Raftopoulos, D. D.**  
—; Kartalopoulos, S. V.: Evaluation of the stress-optical coefficients of transparent solid plates using interferometry (TE), AO 18: 2975
- Raghavan, Raghu.** See Elbaum, Marek, JOSA 69: 1443
- Raghav Rao, R.** See Desai, J. N., AO 18: 420
- Ragnarsson, Sven Ingmar**  
Scattering phenomena in volume holograms with strong coupling (ET), AO 17: 116
- Ragul'sky, V. V.**  
Phase conjugation by stimulated light scattering (A), JOSA 68: 690
- Rahmat-Samii, Y.** See Menendez, R., AO 16: 541
- Rahn, John P.**  
How to extinguish a light beam without scatter (E) (L), AO 17: 2475
- Raidt, H.**  
—; Hoehn, Dieter H.: Instantaneous intensity distribution in a focused laser beam at 0.63  $\mu$ m and 10.6  $\mu$ m propagating through the atmosphere (E), AO 14: 2747
- Rainer, Frank.** See Hunt, J. T., JOSA 68: 542; Linford, Gary J., AO 14: 3057
- Rajappan, K. P.** See Nithyanandam, N., AO 16: 2042
- Rajnak, K.**  
—; Fred, Mark S.: Correlation of isotope shifts with  $\psi(0)^2$  for actinide configurations (T), JOSA 67: 1314
- ; Shore, B. W.: Regularities in s-electron binding energies in <sup>IN</sup>s<sup>M</sup> configurations (T), JOSA 68: 360
- ; Shore, B. W.: Regularities in s-electron binding energies in <sup>IN</sup>s<sup>M</sup> configurations (errata), JOSA 68: 1649
- ; Shore, B. W.: Regularities in the <sup>IN</sup>s<sup>2</sup>-<sup>IN</sup>s-<sup>IN</sup> ionization energies (A), JOSA 67: 1418
- Ralph, Eugene**  
Future prospects for large-scale photovoltaic conversion (A), JOSA 64: 1361
- Ralston, L. M.** See Colburn, W. S., JOSA 64: 563; Zech, R. G., JOSA 66: 1063, AO 16: 1642
- Ramakrishnam, R. S.**  
—; Mullick, S. K.; Rathore, R. K. S.; Subramanian, R.: Orthogonalization, Bernstein polynomials, and image restoration (T), AO 18: 464
- Ramanathan, K. G.** See Estalote, Edward A., JOSA 67: 39; Roger, C. R., JOSA 69: 1384; Verret, D. P., JOSA 68: 1167
- ; Yen, San Ho: High-temperature emissivities of copper, aluminum, and silver (E), JOSA 67: 32
- ; Yen, San Ho; Estalote, Edward A.: Total hemispherical emissivities of copper, aluminum, and silver (A), JOSA 67: 251
- ; Yen, San Ho; Estalote, Edward A.: Total hemispherical emissivities of copper, aluminum, and silver (E), AO 16: 2810
- Ramaswamy, V.** See Kaminow, Ivan P., JOSA 68: 1407; Kogelnik, H., AO 13: 1857; Standley, R. D., JOSA 66: 289
- ; Stolen, R. H.; Divino, M. D.; Pleibel, W.: Birefringence in elliptically clad borosilicate single-mode fibers (ET), AO 18: 4080
- ; Stolen, R. H.: Birefringence of elliptical clad single polarization fibers (A), JOSA 68: 1407
- ; Standley, R. D.: Characteristics of Nb-diffused LiTaO<sub>3</sub> film and embedded strip waveguides (A), JOSA 65: 225
- ; Standley, R. D.; French, William G.: Polarization characteristics of noncircular core single-mode fibers (ET), AO 17: 3014
- ; Standley, R. D.; French, William G.: Polarization effects in short-length, single-mode fibers (A), JOSA 67: 707
- Propagation in asymmetric anisotropic film waveguides (T), AO 13: 1363
- Ray model of energy and power flow in anisotropic film waveguides (T), JOSA 64: 1313



- ; Kaminow, Ivan P.: Single polarization optical fibers: exposed cladding technique (A), JOSA 68: 1408
- Ramer, O. G.** See King, William B., JOSA 67: 1394; Marom, Emanuel, AO 18: 1092, JOSA 69: 791
- Ramirez, W. Fred.** See Bollenbeck, Peter H., JOSA 65: 131
- Rampal, V. V.** See Mehta, P. C., AO 16: 445
- Ramprasad, B. S.**  
Color, vive la difference (poem), AO 13: 1912  
Hologram is a poem, AO 13: 1317  
Optics and optacists, poem (N), AO 17: 2197  
Protanopia (N), AO 16: 2382
- ; Radha, T. S.: Testing the adhesion of thin films using real-time holographic interferometry: a simple method (E) (L), AO 17: 2670  
Truth of color, poem (N), AO 17: 2161
- Rampton, D. T.**  
—; Grow, R. W.: Economic infrared polarizer utilizing interference effects in films of polyethylene kitchen wrap (TE), AO 15: 1034
- ; Grow, R. W.: Optical transmission and reflection properties of a pile of lossy plates (TE), AO 15: 2068
- Ramsay, I. A.** See Johnston, T. F., JOSA 66: 383
- Ramsay, J. V.** See Netterfield, R. P., AO 13: 2685
- Ramsay, W. B.** See Baltes, H. P., JOSA 67: 1437
- Ramsey, J. B.** See Cox, J. Thomas, JOSA 64: 423
- Ramsey, J. M.**  
—; Haugen, G. R.; Hieftje, Gary M.: Time-resolved fluorimetry via a new cross-correlation method (ET), AO 18: 1913
- Ramsey, N.**  
Interference experiments using spatially separated optics (A), JOSA 68: 623
- Rancourt, James D.**  
—; Beauchamp, William T.: Method for determining the complex index of refraction for nontransparent materials (A), JOSA 69: 1472
- Rand, S. C.** See Thomas, P. J., JOSA 67: 1409
- ; Stoiceff, B. P.: Brillouin spectrum of solid methane and determination of elastic and elasto-optical properties (A), JOSA 68: 1402
- Randall, C.** See Barnes, C., JOSA 68: 543
- Ranganath, T. R.**  
—; Tsang, Won-Tien; Wang, Shyh: Tapered edge ridge waveguides for integrated optics (TE), AO 14: 1847
- Rank, David H.**  
Aberrations of the Symmetrical Optical System. By W. T. Welford (B), AO 14: 2308
- Rankin, Michael.** See Bobb, Lloyd C., AO 18: 1167
- Ranninger, G.** See Cabaj, A., AO 13: 722
- Ransom, Preston L.** See Gardner, C. S., JOSA 68: 909; Mittra, Raj, JOSA 66: 168
- ; Henton, R. F.: Analysis of a computer-generated binary-phase hologram (ET) (L), AO 13: 2765  
Binary synthetic holograms: comments (T) (L), AO 14: 563
- ; Singleton, Russell M.: Synthetic real-imaginary hologram pair (ET) (L), AO 13: 717
- Rao, B.** See Stobie, R. W., AO 14: 999, JOSA 65: 25
- Rao, B. S.** See Jones, M. L., JOSA 64: 1591
- Rao, B. V.** See Wagh, M. D., AO 15: 1331
- Rao, K. Narahari.** See Devi, V. Malathy, AO 18: 2918; Knoll, John S., AO 15: 2973; Mantz, Arlan W., JOSA 65: 1164, JOSA 66: 1093, AO 15: 599; Reddy, S. Paddi, AO 18: 1350
- ; Devi, V. Malathy; Das, Palash P.: Experiments with a diode laser spectrometer (A), JOSA 69: 1480
- Rao, P. R.**  
TEA CO<sub>2</sub> laser initiated dissociation of SF<sub>6</sub> (A), JOSA 68: 687
- Rao, V. R.**  
—; Brach, E. J.; Mack, A. R.: Discrete absorptions and emissions in crop spectra (E) (L), AO 17: 493
- Rapoport, W.** See Bezdjian, K., JOSA 66: 1108
- Rapp, Charles F.**  
—; Boling, N. L.; Carlen, C. M.: Investigation of broad band emitters in glass as potential laser ions (A), JOSA 67: 1425
- Rappoport, S.** See Zehnpiennig, T. F., AO 18: 1906
- Raschke, E.** See Kasten, F., AO 13: 460
- Rasleigh, S. C.**  
—; Ulrich, R.: Polarization mode dispersion in single-mode fibers (E), OL 3: 60
- Positive-permittivity-metal cladding: its effect on the modes of dielectric optical waveguides (T), AO 15: 2804
- Rasigni, Georges.** See Rasigni, Monique, OL 1: 126, AO 17: 3521, JOSA 66: 826, JOSA 67: 54, JOSA 67: 510
- Rasigni, Monique**  
—; Rasigni, Georges; Hua, Chon Trung; Pons, Jacques: Determination of the surface structure autocorrelation function for rough deposits of magnesium (E), OL 1: 126
- ; Rasigni, Georges: Effects of interband, intraband, and surface-plasmon processes on the reflectivity of Li films (ET), JOSA 66: 826
- ; Rasigni, Georges: Optical constants of lithium deposits as determined from the Kramers-Kronig analysis (E), JOSA 67: 54
- ; Rasigni, Georges: Optical properties of aggregated lithium deposits (E), JOSA 67: 510
- ; Palmari, J. P.; Rasigni, Georges: Plasma resonance in granular deposits of iron and interstellar dust (E) (L), AO 17: 3521
- Rastogi, A.** See Lowndes, R. P., JOSA 67: 905; Pai, K. F., JOSA 67: 914
- Rastogi, Pramod K.** See Jacquot, Pierre, AO 18: 2022
- Ratajska, Bozena.** See Piekara, Arkadiusz H., AO 17: 689
- ; Piekara, Arkadiusz H.: Role of relaxation in the resonant interaction of light pulses with matter (T), AO 17: 3815
- Rathmann, P.** See Donahue, D. J., JOSA 68: 498
- Rathore, R. K. S.** See Ramakrishnam, R. S., AO 18: 464
- Ratliff, Floyd**  
—; Milkman, Norman; Kaufman, Thomas: Mach bands are attenuated by adjacent bars or lines (A), JOSA 69: 1444
- ; Victor, Jonathan D.; Shapley, Robert M.: Nonlinear analysis of visual evoked potentials in the human (A), JOSA 68: 1427
- Rattan, R.** See Singh, K., AO 14: 500
- Ratto, J. O.** See Simon, Juan M., AO 18: 2912
- Rau, K.**  
—; Muehlich, A.; Treber, N.: Progress in silica fibers with fluorine dopant (A), JOSA 67: 706
- Raviv, G.** See Cohen, Ariel, AO 18: 2466
- Rav-Noy, Z.** See Friesem, A. A., AO 16: 427; Mekler, Yu., AO 14: 503
- Rawson, Eric G.** See Gordon, K. S., AO 16: 818, AO 16: 2372, AO 16: 2774  
Analysis of scattering from fiber waveguides with irregular core surfaces (T), AO 13: 2370
- ; Norton, Robert E.: Speckle elimination by spatial-coherence reduction in projection displays (A), JOSA 64: 1401
- ; Nafarrate, Antonio B.; Norton, Robert E.: Speckle-free rear-projection screen using two close screens with slow relative motion (A), JOSA 66: 176
- ; Nafarrate, Antonio B.; Norton, Robert E.; Goodman, Joseph W.: Speckle-free rear-projection screen using two close screens in slow relative motion (E), JOSA 66: 1290
- Ray, P. S.**  
—; Hora, Heinrich; Clark, R. G.; Tsvinsky, A.; Shepanski, J. R.; Titterton, E. W.; Lowy, D. N.: Increase of nuclear reaction gains from reheat calculations of inertial confinement using a collective model (A), JOSA 68: 550
- Ray, Peter S.** See Stephens, J. J., AO 14: 1765, AO 14: 2169
- ; Stephens, J. J.; Kitterman, T. W.: Near-field impulse response examination of backscattering from dielectric spheres (T), AO 14: 2492
- Rayces, Juan L.**  
Fast MTF computations during the process of lens optimization (A), JOSA 67: 1428  
Improvements in solid catadioptric objectives (A), JOSA 66: 1113
- Rayl, G. J.**  
Multiple traversal absorption cell of minimum volume: design (T), AO 15: 921  
Nonimage forming solar concentrator for space solar arrays (A), JOSA 68: 1374
- Rayner, D. M.**  
—; Lee, M.; Szabo, A. G.: Effect of sea-state on the performance of laser fluorosensors (T), AO 17: 2730
- ; Szabo, A. G.: Time-resolved laser fluorosensors: a laboratory study of their potential in the remote characterization of oil (E), AO 17: 1624
- Rayside, John S.** See Fletcher, William H., AO 13: 734
- ; Fletcher, William H.: Floating optical mount (E) (L), AO 14: 2334
- Raz, Baruch.** See Ophir, Zohar, JOSA 64: 1175
- Rea, E. C.** See Munch, J., AO 18: 869
- Read, A. A.** See Cannata, R. F., AO 18: 3885
- Read, L. Arthur A.**  
—; Wong, Man; Reesor, G. E.: Displacement of an electromagnetic beam upon reflection from a dielectric slab, JOSA 68: 319
- Reader, Joseph.** See Burkhalter, P. G., JOSA 67: 1521; Epstein, Gabriel L., JOSA 66: 1068, JOSA 65: 310, JOSA 66: 590, JOSA 66: 981, JOSA 69: 511; Zalubas, R., JOSA 66: 35  
Position of the  $sp^8$  configuration in the neutral halogens (ET) (L), JOSA 64: 1017
- ; Epstein, Gabriel L.: Resonance lines of Cs II, Ba III, and La IV (E), JOSA 65: 638
- ; Acquista, Nicolo: Spectrum and energy levels of eleven-times ionized zirconium (Zr XII) (E), JOSA 69: 1659
- ; Acquista, Nicolo: Spectrum and energy levels of four-times ionized zirconium (Zr V) (E), JOSA 69: 239
- ; Luther, Gabriel G.; Acquista, Nicolo: Spectrum and energy levels of Mo XIV (A), JOSA 68: 1446  
Spectrum and energy levels of singly ionized rubidium (Rb II) (A), JOSA 64: 1371  
Spectrum and energy levels of singly ionized rubidium (Rb II) (E), JOSA 65: 286
- ; Acquista, Nicolo: Spectrum and energy levels of six-times ionized yttrium (Y VII) (A), JOSA 67: 1383
- ; Acquista, Nicolo: Spectrum and energy levels of ten-times ionized yttrium (Y XI) (E), JOSA 69: 1285
- ; Acquista, Nicolo; Luther, Gabriel G.: Spectrum and energy levels of thirteen-times ionized molybdenum (Mo XIV) (E), JOSA 69: 144  
Spectrum of Rb III observed with a pulsed-rf light source (E), JOSA 65: 988
- ; Acquista, Nicolo:  $4s^2 4p^4$ - $4s 4p^5$  transitions in Zr VII, Nb VIII, and Mo IX (ET), JOSA 66: 896
- Reading, Veronica M.**  
—; Weale, Robert A.: Macular pigment and chromatic aberration (T), JOSA 64: 231
- Ready, John F.** See Khan, Muhammad A., JOSA 68: 1378; Kruse, Paul W., JOSA 67: 1424
- Solid-State Laser Engineering.** By Walter Koechner (B), JOSA 68: 272
- ; Khan, Muhammad A.; Kruse, Paul W.: Third-order nonlinear susceptibility in Hg<sub>0.77</sub>Cd<sub>0.23</sub>Te (A), JOSA 69: 1464
- Reagan, John A.** See Byrne, Dale M., JOSA 67: 1370; King, Michael D., JOSA 67: 256
- ; Byrne, Dale M.; Herman, Benjamin M.; King, Michael D.: Determination of the complex refractive index of aerosol particles from bistatic lidar and solar radiometer measurements (A), JOSA 67: 259
- Real, R. R.**  
Digital profile to contour converter and display (ET), AO 15: 2855
- ; Moeller, H.; Fujimoto, Y.: Precision electronically controlled optical printer for 3-D stereophotomapping (E), AO 13: 2253
- Reale, Carlo**  
Optical constants and reflectance of Al-type metallic selenium (E) (L), JOSA 66: 1416
- Real, G. C.**  
Operation of a mode-locked Nd:YAG oscillator at 1.052  $\mu$ m (E), AO 18: 3975
- Rearden, Robert S., Jr.** See Clark, John R., AO 15: 314
- Rebagliati, R. Jimenez.** See Da Costa, German, AO 15: 316
- Reber, E. E.** See Shimabukuro, F. I., AO 15: 1115
- Rebholz, Joseph J.** See Lee, T. C., OL 4: 121; Tamura, Poohsan N., JOSA 69: 1451
- Reck, Ruth A.**  
Influence of airborne particles (aerosols) on the earth's radiation balance (A), JOSA 67: 260
- Redaelli, Giacomo**  
Semitransparent tin-oxide films on Pyrex plates: measurements of reflectivity (E) (L), AO 15: 1122
- Reddersen, B. R.** See Zech, R. G., JOSA 66: 1063
- ; Zech, R. G.: Distortion minimization in cartographic storage and retrieval (A), JOSA 66: 1123



- ; Zech, R. G.: Multichannel laser recorder—reproducer for archival mass storage applications (A), JOSA 67: 1382
- Reddi, S. S.**  
Constrained least-squares image restoration: an improved computational scheme (T), AO 17: 2340
- Reddy, K. V.**  
—; Berry, M. J.: Intracavity dye laser photoactivation of chemical reactions (A), JOSA 68: 694
- Reddy, S. Paddi**  
—; Ivancic, W.; Devi, V. Malathy; Baldacci, A.; Rao, K. Narahari; Eng, R. S.; Mantz, Arlan W.: Tunable diode laser spectroscopy in the infrared: some practical considerations of techniques and calibration with  $\nu_2$  lines of HCN (E), AO 18: 1350
- Redi, O.**  
—; Stroke, H. H.: Isotope shift of 47-day  $^{203}\text{Hg}$  (T), JOSA 65: 1
- Redus, Wesley D.** See Krile, Thomas F., JOSA 67: 1435, AO 18: 52
- Reece, A. M.** See Palm, C. S., AO 16: 1074
- Reece, C.** See Huang, C.-Y., JOSA 69: 1430
- Reed, Michael A.**  
Servo alignment and control (A), JOSA 66: 1092
- Reed, R. A.**  
Modified six-flux method for three-dimensional radiative transfer (A), JOSA 69: 1399
- Reed, T. B.** See Moulton, Peter F., OL 3: 164
- Reel, R. D.** See Danielewicz, Edward J., OL 4: 280
- Reesor, G. E.** See Read, L. Arthur A., JOSA 68: 319
- Reeves, E. M.** See Cann, M. W. P., AO 18: 964
- ; Huber, Martin C. E.; Timothy, J. Gethyn: Extreme UV spectropheliometer on the Apollo telescope mount (E), AO 16: 837
- ; Timothy, J. Gethyn; Huber, Martin C. E.; Withbroe, George L.: Photometric calibration of the EUV spectropheliometer on ATM (E), AO 16: 849
- Refermat, Stanley.** See Lewis, Owen, JOSA 68: 542
- Regan, David**  
—; Beverley, K. I.: Binocular judgment of the direction in which an object is moving in depth (A), JOSA 65: 1179
- Steady-state evoked potentials (E), JOSA 67: 1475
- Steady-state evoked potentials in fundamental and clinical research (A), JOSA 65: 1209
- Regan, Thomas H.**  
N.M.R. and Chemistry: An Introduction to Nuclear Magnetic Resonance Spectroscopy. By J. W. Akitt (B), JOSA 64: 254
- Reginato, Robert J.** See Jackson, Ray D., AO 18: 3730, AO 18: 3775
- Rehn, Victor**  
—; Stanford, J. L.; Baer, A. D.; Jones, V. O.; Choyke, W. J.: Total integrated optical scattering in the vacuum ultraviolet: polished CVD SiC (E), AO 16: 1111
- Reich, F. R.**  
—; Coleman, William J.: High-speed dimensional gauging using linear diode arrays (A), JOSA 65: 1211
- ; Coleman, William J.: High-speed surface-flaw inspection (A), JOSA 65: 1211
- Reich, M. E.** See Alferov, Zh. I., JOSA 66: 288
- Reich, M. H.** See Box, Michael A., AO 16: 341
- Reich, S.** See Friesen, A. A., AO 16: 427
- Reichelt, W. H.** See Sollid, Jon E., AO 15: 1656; Stratton, T. F., JOSA 68: 543
- ; Munroe, James L.; Saxman, A. C.; Jones, Kenneth C.; Sollid, Jon E.: Antares optical design and analysis (A), JOSA 68: 543
- ; Stratton, T. F.; Stark, E. E., Jr.: Calorimeter for use at 10.6  $\mu\text{m}$  (A), JOSA 64: 535
- Carbon dioxide laser systems for fusion studies (A), JOSA 66: 387
- Reichert, T. A.** See Hamerly, James R., JOSA 65: 1184; Quick, R. Frank, Jr., JOSA 68: 116
- Reid, John.** See El-Sherbiny, M. M., AO 18: 1198; Siemsen, Klaus J., AO 17: 3523; Znotins, T. A., OL 4: 253
- ; Garside, B. K.; Shewchun, J.; Ballik, E. A.; El-Sherbiny, M. M.: High sensitivity point monitoring of atmospheric gases employing tunable diode lasers, AO 17: 1806
- ; Shewchun, J.; Garside, B. K.; Ballik, E. A.: High-sensitivity pollution detection (A), JOSA 67: 1363
- ; Shewchun, J.; Garside, B. K.; Ballik, E. A.: High sensitivity pollution detection employing tunable diode lasers (E), AO 17: 300
- ; Garside, B. K.; Shewchun, J.; Ballik, E. A.; El-Sherbiny, M. M.: Very high sensitivity diode laser spectrometer (A), JOSA 68: 637
- Reidy, W. P.** See Zehnpfennig, T. F., AO 18: 1996
- Reilich, W. M.** See Kermisch, Dorian, AO 17: 4003
- Reilly, C. D.** See Tannenbaum, P. M., JOSA 68: 1401
- ; Tannenbaum, P. M.: Color difference judgments under daylight and incandescent illumination (A), JOSA 68: 1401
- Reilly, David M.** See Warde, Cardinal, JOSA 68: 1357
- ; Warde, Cardinal: Temporal characteristics of single-scatter radiation (T), JOSA 69: 464
- Reilly, James P.** See Eckstrom, D. J., AO 16: 2102; Phillips, E. A., AO 15: 2159
- ; Pimentel, George C.: Intracavity dye laser spectroscopy as a gain probing technique (E), AO 15: 2372
- Reinbold, H. W.** See Brackett, C. A., JOSA 66: 391
- Reinhardt, E. R.**  
—; Bloss, W. H.: Optical differential operation processor (A), JOSA 66: 169
- Reinhart, F. K.** See Shelton, J. C., JOSA 69: 1483, AO 17: 890, AO 17: 2548
- ; McKenna, J.: Polarization modulation with (110) double heterostructure  $p$ - $n$  junction diodes (A), JOSA 66: 289
- Reinisch, R.** See Koster, A., JOSA 68: 682
- Reintjes, J. F.** See Eckardt, R. C., JOSA 66: 1126
- ; She, C. Y.: Coherent radiation in the XUV (A), JOSA 67: 1368
- ; Dixon, R. H.; Elton, R. C.: Extended plasma source for short-wavelength amplifiers (E), OL 3: 40
- ; She, C. Y.; Eckardt, R. C.; Karangelen, N. E.; Elton, R. C.; Andrews, R. A.: Generation of coherent radiation at 38 and 53 nm using high-order optical nonlinearities (A), JOSA 67: 251
- ; Eckardt, R. C.: High-efficiency harmonic conversion to 266 nm in ADP and KD\*P (A), JOSA 66: 1126
- ; She, C. Y.: Saturation effects in the generation of coherent XUV radiation (A), JOSA 68: 703
- Third-harmonic conversion of XeCl-laser radiation (ET), OL 4: 242
- Reisfeld, Martin J.** See Flicker, Herbert, AO 17: 851; Radziemski, Leon J., Jr., OL 3: 241
- ; Flicker, Herbert: The  $\nu_2$  band of  $\text{N}_2\text{O}$  as a frequency standard in the 17- $\mu\text{m}$  region of the infrared (ET) (L), AO 18: 1136
- Reisler, H.**  
—; Wittig, Curt: Temperature dependence and isotope effects in electronic to vibrational energy transfer from  $\text{Br}(4^2P_{1/2})$  to  $\text{HCl}$ ,  $^{12}\text{CO}_2$ , and  $^{13}\text{CO}_2$  (A), JOSA 68: 638
- Reisman, Elias**  
Multiwavelength transmissometer mass concentration monitor (A), JOSA 68: 1363
- Reiss, A.** See Goodwin, F. E., JOSA 66: 389
- Reiss, N. M.**  
—; Eversole, R. A.; Mangano, J. J.: Use of prevailing visibility data for aerosol studies (A), JOSA 67: 257
- Reitmayer, F.**  
—; Schroeder, H.: Effect of temperature gradients on the wave aberration in athermal optical glasses (ET), AO 14: 716
- Reitz, K. P.** See Trowbridge, T. S., JOSA 65: 531
- Reizler, W.** See Beck, G., AO 16: 2971
- Remo, John L.** See Cheyney, Howard, III, JOSA 67: 1392
- Second-order perturbation theory for optical resonators (A), JOSA 67: 1391
- Second-order perturbation theory for Fabry—Perot resonators (T), OL 3: 193
- Remole, Arnulf**  
Luminance thresholds for perceived movement in a flickering field (E), JOSA 64: 1133
- Remsberg, Ellis E.**  
—; Gordley, Larry L.: Analysis of differential absorption lidar from the Space Shuttle (T), AO 17: 624
- ; Northam, G. Burton: Feasibility of atmospheric aerosol measurements with lidar from Space Shuttle (A), JOSA 67: 259
- Remus, G.**  
—; Sastri, V. D. P.: Fisheye field spectrograph (ET), AO 17: 3076
- Renard, P. A.** See Hunt, J. T., AO 15: 1458, AO 16: 779, AO 17: 2053
- Renaut, D.** See Pourny, J. C., AO 18: 1141
- Renninger, G. H.**  
—; Barlow, R. B., Jr.; Maxwell, J.: Mathematical study of synchronization of responses by lateral inhibition in the *Limulus* retina (A), JOSA 69: 1433
- Reno, C. W.** See Conant, L. C., AO 13: 2457
- Rensch, D. B.**  
Three-dimensional unstable resonator calculations with laser medium (T), AO 13: 2546
- Rensel, W. B.** See Henderson, T. M., JOSA 68: 545; Solomon, D. E., JOSA 68: 545
- Rentzepis, P. M.** See Bondybey, V. E., JOSA 66: 1100
- Picosecond spectroscopy in biology and medicine (A), JOSA 68: 1382
- Replogle, Jr., F. S.** See Mertens, L. E., JOSA 67: 1105
- Res, M.** See Res, M. A., AO 14: 1017
- Res, M. A.**  
—; Kok, C. J.; Bednarik, J.; Kroeger, K.: Bandpass filters for use in the visible region (E), AO 16: 1908
- ; Kok, C. J.; Hengstberger, F.; Res, M.; Kroeger, K.: Filter glasses for photometric application (ET), AO 14: 1017
- Rescigno, T.** See Bender, C. F., JOSA 68: 548
- Resnik, Judith A.**  
—; Malerba, Franco E.; Colburn, Theodore R.; Murray, George C.; Smith, T. G., Jr.: Rapid scanning microspectrophotometer and its use in measuring rhodopsin photoproduct pathways and kinetics in frog retinas (E), JOSA 68: 937
- Reston, James**  
U.S. government needs advice (N), AO 14: A14
- Rettner, C. T.** See Brophy, John H., OL 4: 337
- Reynolds, George O.** See Cronin, David J., JOSA 65: 1167; Mueller, Peter F., JOSA 67: 1407
- Evaluation of a segmented-annular-aperture camera (A), JOSA 65: 1175
- Reynolds, H. C.** See Angelbeck, A. W., JOSA 66: 391; Wisner, George R., JOSA 66: 391
- Reynolds, Larry.** See Shimizu, Koichi, AO 18: 3484
- ; Johnson, C.; Ishimaru, Akira: Diffuse reflectance from a finite blood medium: applications to the modeling of fiber optic catheters (TE), AO 15: 2059
- Reynolds, Richard S.** See Erickson, Edward G., JOSA 66: 380; McElroy, John H., AO 14: 1297
- Reynolds, T. B.** See Hawkins, J. D., JOSA 66: 385, JOSA 66: 386
- Reyzer, Kendall C.** See Casperson, Lee W., JOSA 69: 1430
- Rheault, C.** See Arsenault, Henri H., JOSA 68: 1376
- Rhodes, Charles K.** See Bokor, Jeffrey, JOSA 68: 671; Hawkins, R. T., JOSA 69: 1449; Kligler, Daniel J., JOSA 68: 548, JOSA 68: 708; Pummer, H., JOSA 68: 549
- Rhodes, D. J.**  
—; Carniglia, Charles K.: Measurement of the Goos-Haenchen shift at grazing incidence using Lloyd's mirror (TE), JOSA 67: 679
- Rhodes, George W.** See Cantrell, Cyrus D., AO 15: 1651
- Laser isotope separation: revolution in chemistry (A), JOSA 66: 390
- Rhodes, M. B.** See Cournoyer, Robert F., JOSA 64: 563
- ; Cournoyer, Robert F.: Holographic interferometric microscopy applied to the study of diffusion mechanisms in polymeric systems (A), JOSA 64: 1381
- Holographic interferometric microscopy of polymer crystallization (E), AO 13: 2263
- Rhodes, William T.** See Braunecker, B., JOSA 67: 1423, AO 18: 44; Florence, James M., JOSA 66: 1130, JOSA 67: 1423; Lohmann, A. W., AO 17: 1141
- Approach to optical processing of one-dimensional signals (A), JOSA 64: 545
- Bipolar pointspread function synthesis by phase switching (T), AO 16: 265
- ; Florence, James M.: Frequency variant optical signal analysis (TE), AO 15: 3073
- ; Florence, James M.: Image correlation using space-to-frequency conversions (A), JOSA 69: 1443
- Incoherent imaging and source size: a Fourier optics approach (A), JOSA 67: 1423
- ; Webb, L. L.: Partially coherent sources, highly directional beams, and Fourier optics (A), JOSA 69: 1414



- Space-frequency conversions for image transmission and processing (TE), OL 3: 24
- ; Florence, James M.: Two-dimensional optical processing of one-dimensional signals (A), JOSA 65: 1178
- Wideband spectrum analysis with area modulation: comment (T) (L), AO 18: 2540
- Rhodin, T. N.** See Graham, G. W., JOSA 69: 1472
- Riazi, Abbas**
- ; Gandhi, O. P.; Christensen, Douglas A.: Image profile upon passage through a Fabry-Perot interferometer of large Fresnel number (T), JOSA 69: 348
- Ribbens, William B.** See Marrone, E. S., AO 14: 23
- Surface roughness measurement by two wavelength holographic interferometry (T), AO 13: 1085
- Ricchiuto, A.** See Balzarotti, A., JOSA 69: 1460
- Rice, D. K.**
- Spectral line selection of carbon monoxide lasers (ET), AO 13: 2812
- Rice, J. R.** See Budiansky, B., AO 18: 4085
- Rice, R. R.** See Hall, D. G., OL 4: 292; Jackson, John E., JOSA 66: 1137
- ; Jackson, John E.; Burkhart, G. H.: Thermal detuning effects in a standing wave acoustooptic modulator (ET), AO 17: 1824
- Rice, Rory O.**
- ; Macomber, James D.: Attenuation of giant laser pulsed by absorbing filters (E), AO 14: 2203
- ; Macomber, James D.: Reciprocity failure in Kodak HIE film exposed to ruby-laser pulses (E), JOSA 65: 1489
- Rice, W. W.** See Wampler, F. B., OL 4: 143
- ; Wampler, F. B.; Oldenborg, R. C.: Laser-induced chemistry in UF<sub>6</sub> + alkane systems (A), JOSA 68: 687
- Rich, P. J.** See Cherin, Allen H., JOSA 67: 708, JOSA 67: 1372, AO 14: 3026, AO 16: 497, AO 17: 642
- Rich, Ruth M.**
- ; Billmeyer, Fred W., Jr.; Howe, William G.: Method for deriving color-difference-perceptibility ellipses for surface-color samples (TE), JOSA 65: 956
- ; Billmeyer, Fred W., Jr.; Howe, William G.: Method for deriving color-difference-perceptibility ellipses for surface-color samples (TE) (errata), JOSA 65: 1389
- ; Billmeyer, Fred W., Jr.: Unit color-difference figures derived from the proposed CIE 1976 L\*a+b+ space (T) (L), AO 13: 2475
- ; Billmeyer, Fred W., Jr.: Unit color-difference figures derived from the proposed CIE 1976 L\*a+b+ space (errata), AO 14: 1770
- Rich, T. C.** See Benson, W. W., AO 14: 2815, AO 17: 2271; Brackett, C. A., JOSA 66: 391; Chen, F. S., JOSA 66: 391; Karr, M. A., AO 17: 2215; Nassau, K., AO 13: 744; Pinnow, D. A., JOSA 64: 525, AO 14: 1258
- ; Pinnow, D. A.: Evaluation of fiber optical waveguides using Brillouin spectroscopy (E), AO 13: 1376
- Richard, Ralph.** See Smith, W. Scott, JOSA 66: 1137
- Richards, P. L.** See Lambert, D. K., AO 17: 1595, JOSA 68: 1124; Nishioka, N. S., AO 17: 1562
- Richards, Whitman.** See Hennessy, Robert T., JOSA 65: 97; Purks, Stephen R., JOSA 67: 765
- ; Dichgans, Johannes: Effect of directional-flow patterns upon motion thresholds (E) (L), JOSA 64: 1148
- ; Foley, John M.: Effect of luminance and contrast on processing large disparities (E), JOSA 64: 1703
- Flashback to Maxwell: flicker matching (A), JOSA 65: 1200
- Maps and migraines (A), JOSA 65: 1185
- ; Purks, Stephen R.: Random-dot texture discrimination (E), JOSA 68: 270
- Symposium on electrophysiological techniques for studying visual function in man (N), JOSA 67: 1606
- ; Riley, Michael D.: Texture metamers (A), JOSA 67: 1401
- Why rods and cones? (A), JOSA 68: 1450
- Richardson, J. H.** See Rinehart, E. A., JOSA 66: 78
- ; Steinmetz, L. L.; Wallin, B. W.: Variable frequency sweeping of a dye laser (E) (L), AO 16: 1133
- Richardson, M. C.** See Baldi, H. A., JOSA 67: 1396; Enright, G. D., JOSA 67: 1409; Fedosejevs, R., JOSA 68: 660; Jaanimagi, P. A., JOSA 67: 1404, OL 4: 45
- Richardson, R. J.**
- ; Wiswall, C. E.: High-power CO chemical laser (A), JOSA 68: 653
- Richmond, Joseph C.** See Mecherikunnel, Ann Thomas, JOSA 69: 1400
- Reflectance errors in infrared thermography (A), JOSA 69: 1401
- Richter, Andreas K.**
- ; Carlson, F. Paul: Holographically generated lens (TE), AO 13: 2924
- Richter, P.**
- ; Kimel, J. D.; Moulton, G. C.: Pulsed UV nitrogen laser: dynamical behavior (TE), AO 15: 756
- ; Kimel, J. D.; Moulton, G. C.: Pulsed UV nitrogen laser: its intensity and linewidth (TE) (L), AO 15: 1117
- Richter, Paul H.**
- Lyot depolarizer in quasimonochromatic light (T), JOSA 69: 460
- Righton, R. E.** See Farrow, L. A., AO 18: 76, AO 18: 597
- NO line parameters measured by CO laser transmittance (E) (L), AO 15: 1686
- Pressure-broadened linewidths of the R(9.5)<sub>3/2</sub> NO transition (E), AO 17: 1606
- Rickel, D. G.** See Chaney, L. W., AO 18: 3004
- Ricks, D. W.**
- ; Seitel, Steven C.; Teppo, E. A.: Temperature dependence of thin-film polarizer (A), JOSA 67: 253
- Ricort, G.** See Aime, Claude, JOSA 68: 1063
- Ridgeley, A.** See Bromage, G. E., JOSA 68: 48
- Riedel, W.** See Preier, H., JOSA 66: 384
- Riedl, Max J.**
- Mangin mirror and its primary aberrations (T), AO 13: 1690
- Riegl, Johannes**
- ; Bernhard, Manfred: Empfangsleistung in Abhängigkeit von der Zielentfernung bei optischen Kurzstrecken—Radargeräten (TE), AO 13: 931
- Rienecker, F., Jr.** See Ahlstrom, Harlow G., JOSA 68: 1731; Manes, Kenneth R., JOSA 68: 1646; Ozarski, R. G., JOSA 68: 548
- Riessler, W. A.** See Worchesky, T. L., JOSA 67: 1440, OL 2: 70
- Riewe, Fred**
- ; Green, Alex E. S.: Ultraviolet aureole around a source at a finite distance (T), AO 17: 1923
- Riffle, James H.** See Benjamin, Robert F., JOSA 69: 1408
- Riggs, Lorrin A.** See Johnstone, J. R., OL 4: 309; Moore, Robert K., JOSA 67: 1408; White, Keith D., JOSA 65: 1200; Wooten, Billy R., JOSA 68: 1413
- Electrophysiological techniques for studying visual function (A), JOSA 65: 1208
- Electrophysiological techniques for studying visual function in man: a historical overview (R), JOSA 67: 1451
- Electroretinogram. By John C. Armington (B), JOSA 65: 971
- ; Volkmann, Frances C.; Moore, Robert K.: Evidence for neural suppression of vision during an eye blink (A), JOSA 69: 373
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- Theories of Vision from Al-Kindi to Kepler. By David C. Lindberg (B), AO 16: 268
- Riggs, R. S.** See Hackett, W. H., Jr., JOSA 67: 709
- Righini, Alberto.** See Barletti, Raffaele, AO 16: 2419, JOSA 66: 1380; Vernin, J., AO 18: 243
- Righini, Giancarlo C.** See Sottini, Stefano, JOSA 69: 1248
- Italian Physical Society, sixty-third annual meeting, Como, 26 Sep-1 Oct 1977 (M), AO 17: 335
- Italian Physical Society, 61st annual meeting, Lecce, 28 Oct-1 Nov 1975 (M), AO 15: 299
- Optical communication. Fourth European Conference, Genoa, 12-15 Sep 1978 (M), AO 18: 1
- Optical fiber communications systems: twenty-third International Scientific Congress on Electronics, Rome, 22-24 Mar 1976 (M), AO 15: 2291
- ; Russo, Vera; Sottini, S.: Reflection holographic filters for compacting optical processors (E), AO 13: 1019
- Rigler, A. K.** See Mills, Frank S., JOSA 65: 1165
- Rigrod, W. W.**
- Diffraction efficiency of nonsinusoidal Bragg reflection gratings (T) (L), JOSA 64: 97
- Diffraction efficiency of nonsinusoidal Bragg reflection gratings (errata), JOSA 64: 895
- ; McFee, J. H.; Pollack, M. A.; Logan, R. A.: Index-profile determination of heterostructure GaAs planar waveguides from mode-angle measurements at 10.6  $\mu$ m wavelength (TE), JOSA 65: 46
- Rijsdijk, J. P.** See van der Wildt, G. J., JOSA 69: 660, JOSA 69: 666
- Riley, M. E.** See Padrick, T. D., JOSA 68: 549
- ; Gusinow, M. A.: Laser beam divergence utilizing a lateral shearing interferometer (TE), AO 16: 2753
- Riley, Michael D.** See Richards, Whitman, JOSA 67: 1401
- Discrimination of textures with different orientation distributions (A), JOSA 67: 1401
- Rimai, Lajos.** See Marko, K. A., OL 4: 211
- Applications of resonance Raman scattering to the study of structure and interactions of biological chromophores (A), JOSA 65: 1162
- Rimmer, Matthew P.** See Wetherell, William B., AO 13: 2192
- ; Vanderhoff, John M.: Calculation of OTF sensitivities (A), JOSA 67: 1429
- Computer program for propagation of an optical beam through an optical system (A), JOSA 67: 1394
- Evaluating lateral shearing interferograms (T), AO 13: 623
- ; Wyant, James C.: Evaluation of large aberrations using a lateral-shear interferometer having variable shear (ET), AO 14: 142
- Rimsay, Robert L.** See Meneely, C. T., AO 14: 2129
- Rindone, Guy E.**
- ; Bradt, Richard C.: Structure and fracture mechanics of glass (A), JOSA 65: 1192
- Rinehart, E. A.**
- ; Richardson, J. H.; Johnson, Derwyn C.; Hrubesh, L. W.: Experimental evidence of laser-induced separations in bulk gas mixtures (A), JOSA 66: 78
- Rink, J. P.** See Lucht, R. A., OL 4: 216
- Rioux, Marc.** See Beaulieu, R., JOSA 67: 1434, AO 17: 3619; Belanger, Pierre-Andre, AO 17: 1080; Blanchard, M., JOSA 67: 1434; Cormier, M., AO 17: 3622; Piche, Michel, JOSA 67: 1404
- ; Belanger, Pierre-Andre; Cormier, M.: High-order circular-mode selection in a conical resonator (E) (L), AO 16: 1791
- ; Tremblay, R.; Belanger, Pierre-Andre: Linear, annular, and radial focusing with axicons and applications to laser machining (ET), AO 17: 1532
- ; Blanchard, M.; Cormier, M.; Beaulieu, R.; Belanger, D.: Plastic recording media for holography at 10.6  $\mu$ m (E), AO 16: 1876
- ; Blanchard, M.; Cormier, M.; Beaulieu, R.: Use of the TEM<sub>10</sub> laser mode for IR holography at 10.6  $\mu$ m (E) (L), AO 17: 3864
- Riseberg, L. A.** See Stokowski, S. E., JOSA 68: 542
- Risley, Allan S.** See Stein, S. R., AO 16: 1893
- Ristori, P.** See DeMartini, F., JOSA 68: 662
- Ritchie, I. T.** See Window, B., AO 17: 2637
- ; Window, B.: Applications of thin graded-index films to solar absorbers (TE), AO 16: 1438
- Ritter, Elmar.** See Pulker, H. K., AO 15: 2986
- Optical film materials and their applications (A), JOSA 66: 163
- Optical film materials and their applications (R), AO 15: 2318
- Optics of Thin Films. By Zdenek Knittl (B), AO 15: 2940
- Ritter, J. E., Jr.**
- Strength and failure prediction for silicate glasses (A), JOSA 65: 1193
- Ritter, K. J.** See Worchesky, T. L., JOSA 67: 1440, OL 2: 70
- Ritz, Victor H.** See Bermudez, Victor M., AO 17: 542
- Riva, Charles E.** See Fekle, Gilbert T., JOSA 68: 730
- ; Fekle, Gilbert T.; Eberli, Bruno; Benary, Vili: Bidirectional LDV system for absolute measurement of blood speed in retinal vessels (ET), AO 18: 2301



- ; Petrig, B.: Entoptic phenomenon of the flying corpuscles and retinal blood flow (A), JOSA 69: 1485
- Laser Applications in Medicine and Biology**, Vol. 2. Edited by M. L. Wolbarsht (B), AO 14: 2350
- ; Timberlake, George T.; Feke, Gilbert T.: Laser Doppler technique for measurement of eye movement (E), AO 18: 2486
- Spectroscopic and fluorescence methods used for the study of eye disorders (A), JOSA 65: 1162
- ; Ben-Sira, Isaac: Two-point fluorophotometer for the human ocular fundus (E), AO 14: 2691
- Rivard, Glenn E.**  
Algorithm for direct fast Fourier transform of bivariate functions (A), JOSA 65: 1203
- Riva-Sanseverino, S.** See Cali, C., AO 15: 1327; Tien, P. K., JOSA 66: 288
- Rivers, B.** See Benesch, W., JOSA 69: 1459
- Rives, J. E.** See Godfrey, L. A., AO 18: 602
- Rizzo, J.** See Deckman, H. W., JOSA 69: 1468
- Roach, W. R.** See Sheng, Ping, JOSA 68: 1406
- Roaux, E.** See Eschard, G., AO 13: 2187
- Robb, Paul N.**  
Accelerating convergence in automatic lens design (T), AO 18: 4191
- Analytic merit function based on Buchdahl's aberration coefficients (T), JOSA 66: 1037
- Reflecting telescope with a spherical primary mirror (A), JOSA 69: 1439
- Three-mirror telescopes: design and optimization (T), AO 17: 2677
- Robben, Frank**  
—; Coe, Donald; Cattolica, Robert: Apparent linewidth of the  $N_2^+$  first negative band (A), JOSA 66: 1063
- ; Coe, Donald: Fine structure of the  $N_2^+$  first negative band (A), JOSA 66: 1063
- Roberds, Donald W.**  
Particle sizing using laser interferometry (TE), AO 16: 1861
- Robert, J.** See Labrunie, Guy, AO 13: 1355
- Roberts, Calvin W.** See Koester, Charles J., JOSA 69: 1446
- Roberts, F. F.**  
Optical fiber transmission system studies in the U.K. post office (A), JOSA 67: 708
- Roberts, H. N.** See Zech, R. G., JOSA 68: 1362
- ; Watkins, J. W.; Johnson, R. H.: High speed holographic digital recorder (ET), AO 13: 841
- Roberts, J. R.** See Knystautas, E. J., JOSA 69: 1726; Lucatorto, T. B., AO 18: 2505
- ; Knystautas, E. J.; Sugar, Jack: One-electron spectrum of Xe VIII (L), JOSA 69: 1620
- Roberts, R. R.**  
—; Black, T. D.: Infrared holograms recorded at 10.6  $\mu$ m and reconstructed at 0.6328  $\mu$ m (E) (L), AO 15: 2018
- Roberts, Robert E.** See Bergemann, Richard J., JOSA 68: 541; Wolynes, Peter G., AO 17: 1484
- ; Seekamp, Lynne N.; Bergemann, Richard J.: Aerosol propagation under limited visibility conditions: theory (A), JOSA 68: 541
- ; Selby, John E. A.; Biherman, Lucien M.: Infrared continuum absorption by atmospheric water vapor in the 8–12- $\mu$ m window (E), AO 15: 2085
- Robertson, A. R.** See Kartachevskaya, V. E., AO 14: 2694, AO 15: 603
- Robertson, C. E.** See Landry, M. J., AO 17: 1764
- Robertson, Charles W.**  
—; Downing, Harry D.; Curnutte, Basil; Williams, Dudley: Optical constants of solid ammonia in the infrared (E), JOSA 65: 432
- Robertson, D. C.** See Bernstein, L. S., AO 18: 2454
- Robertson, H. J.** See Mumola, Peter B., AO 17: 936; Skolnick, M. L., JOSA 66: 382
- Robertson, I. W. H.** See Murphree, J. S., AO 17: 1449
- Robin, S.** See Lavollée, M., JOSA 64: 319
- Robinson, A. M.**  
Absorption in  $CO_2$  and  $CO_2$  gas mixtures at elevated temperatures (A), JOSA 68: 1402
- ; Sutton, Norman: High temperature absorption in the 10.4- $\mu$ m band of  $CO_2$  (ET), AO 18: 378
- ; Sutton, Norman: High temperature absorption in the 10.4- $\mu$ m band of  $CO_2$  (errata), AO 18: 1709
- ; Sutton, Norman: Infrared absorption at 10.6  $\mu$ m in  $CO_2$  at elevated temperatures (E) (L), AO 16: 2632
- Robinson, B.** See Kumar, R., AO 18: 2334
- Robinson, C. Paul**  
Isotope separation (A), JOSA 64: 1356
- ; Jensen, Reed J.: Laser isotope separation (A), JOSA 65: 1173
- Robinson, Clark S.**  
Radio Optics. Signal Transformation in Electronics and Optics. By Vitalii Anatolevich Zverev (B), AO 15: 559
- Stratospheric Astronomy. By Vladimir Alekseevich Krat and Leonard Markovich Kotlyar (B), AO 17: 2470
- Robinson, Don M.** See Chu, William P., JOSA 64: 1398, AO 16: 619
- ; Chu, William P.: Diffraction analysis of Doppler signal characteristics for a cross-beam laser Doppler velocimeter (TE), AO 14: 2177
- Robinson, G. D.** See Drummond, A. J., AO 13: 487
- Robinson, Stanley R.** See Armor, James B., Jr., JOSA 68: 1385, AO 18: 3165; Dunning, Stephen J., AO 18: 1567; Hagemeyer, Hal E., JOSA 68: 1386, AO 18: 270; Lyons, Barry W., JOSA 68: 1386, AO 18: 781
- ; Newton, Billy W., Jr.: Effects of speckle on a scanned laser imaging/ranging system (A), JOSA 69: 1422
- ; Barakat, Richard: Maximum *A Posteriori* estimation of wave-front aberrations (A), JOSA 69: 1468
- ; Chapuran, Robert C.: Modulation techniques for an airborne laser scanner (T), AO 18: 3176
- ; Luke, Theodore E.: Phase-contrast measurements for wave-front sensing applications (A), JOSA 69: 1466
- Phase from intensity measurements (T), JOSA 68: 87
- ; Strautman, William D.: Spatial filtering design considerations for a line scanning sensor (T), AO 18: 775
- Robinson, W. G.** See Breckinridge, James B., AO 18: 1034
- Instrumentation in astronomy, 2nd SPIE seminar on, Tucson, 4-6 Mar 1974 (M), AO 13: 1263
- Roble, R. G.** See Hernandez, G., AO 18: 3376
- Roblin, M. L.** See Mallick, S., JOSA 64: 1344
- Robrish, P.** See Rosen, H., AO 14: 2703
- Robson, J. G.**  
Sensitivity variation across the visual field (A), JOSA 68: 1371
- Rocca, A.**  
—; Roddier, F.; Vernin, J.: Detection of atmospheric turbulent layers by spatiotemporal and spatioangular correlation measurements of stellar-light scintillation (ET), JOSA 64: 1000
- Roche, Aidan E.**  
—; Title, Alan M.: Tilt tunable ultra narrow-band filters for high resolution infrared photometry (E), AO 14: 765
- Rochette, D.** See Lit, John W. Y., JOSA 65: 1222
- Rockwood, Stephen.** See Eckhardt, Roger C., OL 4: 112
- Roddier, C.** See Aime, Claude, JOSA 68: 1063; Roddier, F., JOSA 66: 181
- ; Roddier, F.: Fringe visibility in a Michelson stellar interferometer (T), JOSA 66: 580
- ; Roddier, F.: Influence of exposure time on spectral properties of turbulence-degraded astronomical images (TE), JOSA 65: 664
- Measurements of the atmospheric attenuation of the spectral components of astronomical images (ET), JOSA 66: 478
- ; Roddier, F.: Seeing effects removal in a Michelson stellar interferometer (T), JOSA 66: 1347
- ; Vernin, J.: Upper and lower atmosphere and refractive-index profiles (E), AO 16: 2252
- Roddier, F.** See Rocca, A., JOSA 64: 1000; Roddier, C., JOSA 65: 664, JOSA 66: 580, JOSA 66: 1347
- ; Roddier, C.: Effects of the atmosphere in stellar speckle interferometry (A), JOSA 66: 181
- Rodeback, G. W.** See Crittenden, Eugene C., Jr., JOSA 68: 539
- Rodgers, C. D.**  
Collisional narrowing: its effect on the equivalent widths of spectral lines (T), AO 15: 714
- Rodgers, J. W.** See Kaufmann, E. N., JOSA 67: 1007
- Rodgers, M. O.**  
—; Davis, D. D.; Asai, K.: Multiphoton laser-induced fluorescence (A), JOSA 69: 1407
- Roeder, U.** See Haendler, E., AO 18: 2787
- Roehrer, R.** See Howland, Howard C., JOSA 67: 1407
- Roehrig, H.** See Nudelman, S., JOSA 66: 381
- Roemer, Elizabeth**  
Orbital Motion. By A. E. Roy (B), AO 18: 1129
- Roesler, F. L.** See Fonck, R. J., JOSA 66: 1093, AO 17: 1739
- Roessler, David M.** See Faxvog, Fred R., AO 17: 2612
- ; Faxvog, Fred R.: Opacity of black smoke: calculated variation with particle size (A), JOSA 68: 1358
- ; Faxvog, Fred R.: Opacity of black smoke: calculated variation with particle size and refractive index (T), AO 18: 1399
- ; Faxvog, Fred R.: Opacity of black smoke: calculated variation with particle size and refractive index (errata), AO 18: 2099
- ; Faxvog, Fred R.: Optoacoustic measurement of optical absorption in acetylene smoke (TE), JOSA 69: 1699
- ; Gregson, Victor G., Jr.: Reflectivity of steel at 10.6- $\mu$ m-wavelength (E) (L), AO 17: 992
- Roessler, F. L.** See Fonck, F. J., JOSA 68: 551
- Roetting, Paul G.** See Kermisch, Dorian, JOSA 64: 1401, JOSA 65: 716
- Applied Photographic Theory. By Paul Kowalski (B), JOSA 64: 255
- Digital Image Processing. By William K. Pratt (B), JOSA 69: 801
- Halftone method with edge enhancement and moire suppression (A), JOSA 65: 1177
- Halftone method with edge enhancement and moire suppression (E), JOSA 66: 985
- Optics and Information Theory. By Francis T. S. Yu (B), JOSA 67: 1289
- Vision: Human and Electronic. By Albert Rose (B), JOSA 65: 1385
- Visual performance and image coding (A), JOSA 66: 173
- Roger, C. R.**  
—; Yen, San Ho; Ramanathan, K. G.: Temperature variation of total hemispherical emissivity of stainless steel AISI 304 (E), JOSA 69: 1384
- Rogers, Brian J.** See Anstis, Stuart M., JOSA 67: 1380
- Rogers, Gordon L.** See Alqazzaz, Luay, JOSA 65: 695; Silva, R., JOSA 65: 1448
- Noncoherent optical processing (A), JOSA 69: 1431
- Optical Data Processing. Edited by D. Casasent (B), AO 17: 3510
- Qualitative and semiquantitative Fourier transformation using a noncoherent system (E), AO 18: 3152
- ; Francis, D.: Reducing the danger of flare images in laser focusing objectives (T), AO 17: 3812
- Safelight for Agfa 10E75 and 8E75 plates (L), AO 17: 1846
- Safelight for Agfa 10E75 and 8E75 plates: a correction (errata), AO 18: 1125
- Temporal modulation in noncoherent optical data processing (E) (L), AO 13: 997
- Rogers, J. W.** See Huppi, E. R., AO 13: 1466; Murphy, Randall E., JOSA 67: 250
- Rogers, W. L.**  
Temporally encoded imaging (A), JOSA 65: 1183
- Rogoff, Gerald L.**  
Optical system for the automatic Abel inversion of emission from a cylindrical volume radiator (T), JOSA 67: 44
- Rogovin, D.** See Nagel, J., OL 4: 300
- Quantum optical coherence effects in superconducting tunnel junctions (A), JOSA 68: 701
- ; Scully, Marlan O.: Super-radiant decay in Josephson junctions (A), JOSA 66: 1076
- Rogowski, R. Š.**  
—; Bair, Clayton, H.; Wade, W. R.; Hoell, J. M.; Copeland, G. E.: Infrared vibration-rotation spectra of the ClO radical using tunable diode laser spectroscopy (E) (L), AO 17: 1301
- Roh, Won B.** See Switzer, Gary L., AO 18: 2343
- ; Schreiber, Paul W.: Pressure dependence of integrated CARS power (ET), AO 17: 1418
- Rohde, Robert S.** See Buser, Rudolf G., JOSA 66: 78, AO 14: 50, AO 14: 2740; Gerber, H. E., JOSA 67: 258
- ; Buser, Rudolf G.: Index of refraction turbulence effects on thermal blooming in laboratory experiments (E), AO 18: 698
- Rohde, Steve M.** See Browne, Alan L., AO 14: 1261



**Rohra, Aruna**

—; Thyagarajan, K.; Ghatak, A. K.: Aberrations in curved graded-index fibers (T), JOSA 69: 300

**Rohwein, G. R.** See Buttram, M., JOSA 68: 545

**Roig, J.** See Fesquet, J., AO 18: 175, AO 18: 2491; Mas, G., AO 13: 2771

**Roig, Randy A.**

Absorption spectrum of Ba II in the vacuum ultraviolet (E), JOSA 66: 1400

—; Tondello, Giuseppe: Extensions to the spectrum of singly ionized barium (Ba II) (E), JOSA 65: 829

—; Miller, Myron H.: Relative transition probabilities of cobalt (E), JOSA 64: 1479

—; Glass, I. I.: Spectroscopic study of combustion-driven implosions (A), JOSA 66: 1068

**Rokni, N.** See Mangano, J. A., JOSA 68: 548

**Rollefson, J. P.**

Intermittency of atmospheric turbulence as determined by angle-of-arrival measurement (A), JOSA 66: 1066

**Romero, C.** See Johnston, T. F., JOSA 66: 383

**Romeskie, Martha.** See Yager, Dean, JOSA 64: 1387

**Romick, Gerald J.** See Baker, Doran J., AO 15: 1966

**Ronchi, Laura.** See Bendinelli, M., JOSA 64:

1498; Burlamacchi, P., AO 14: 79; Ciolli, P., AO 16: 1128, JOSA 68: 1350; Consortini, Anna, JOSA 68: 539, AO 14: 1565, AO 17: 1286, JOSA 67: 181; Gori, F., JOSA 65: 495; Pasqualetti, F., JOSA 68: 539, AO 15: 1903, JOSA 64: 289, JOSA 65: 649; Pratesi, Riccardo, JOSA 67: 1274

—; Astigmatic Gaussian beams in an elliptical square-law medium (T) (L), AO 17: 2869

—; Asymptotic behavior of an infinite-strip tilted-mirror resonator (T) (L), AO 14: 274

—; Complex-waist Gaussian beams and unstable resonators (T) (L), AO 14: 2805

—; Free-space propagation of an aberrating Gaussian beam (T), AO 17: 2516

**Ronchi, Lucia**

—; Molesini, Giuseppe: Time resolution at extremely low scotopic luminances (E) (L), JOSA 64: 887

**Roney, P. L.** See Cann, M. W. P., JOSA 67: 1442

—; Findlay, F. D.; Buijs, H. L.; Cann, M. W. P.; Nicholls, Ralph W.: Carbon dioxide spectral line frequencies for the 4.3- $\mu$ m region (ET), AO 17: 2599

**Ronner, Steven F.** See Mansfield, R. J. W., JOSA 68: 1419

**Roome, G.** See Maher, W. E., AO 13: 1342

**Roosen, G.**

—; Imbert, C.: Optical levitation: A theoretical and experimental study (A), JOSA 67: 1438

**Rope, E. L.** See Tricoles, G., JOSA 64: 563, JOSA 66: 634, JOSA 67: 1394

**Roquemore, W. M.** See Switzer, Gary L., AO 18: 2343

**Rosasco, Gregory J.** See Bennett, Herbert S., AO 17: 491

—; Bennett, Herbert S.: Internal field resonance structure: implications for optical absorption and scattering by microscopic particles (T), JOSA 68: 1242

**Rose, Albert.** See Ben-Yosef, N., JOSA 68: 935

—; Photoconductivity and Related Phenomena. Edited by J. Mort and D. M. Pai (B), JOSA 67: 1129

**Rosei, R.** See Balzarotti, A., AO 14: 2412

—; Meuti, M.; Coluzza, C.; Quaresima, C.: Thermotransmission measurements on self-supporting metal films (E), OL 1: 217

**Rosell, Fred**

—; Range-gated active television tradeoff (A), JOSA 66: 389

**Rosen, H.** See Yasa, Zafer, AO 18: 2528

—; Novakov, T.: Application of Raman scattering to the characterization of atmospheric aerosol particles (A), JOSA 67: 258

—; Hansen, A. D. A.; Gundel, L.; Novakov, T.: Identification of the optically absorbing component in urban aerosols (E) (L), AO 17: 1885

—; Robrish, P.; Chamberlain, O.: Remote detection of pollutants using resonance Raman scattering (TE), AO 14: 2703

**Rosen, James M.** See Harris, Franklin S., Jr., JOSA 67: 256; Northam, G. Burton, AO 13: 2416

—; Hofmann, D. J.; Singh, P.: Steady-state one-dimensional model of the stratospheric aerosol (A), JOSA 67: 259

**Rosen, M. D.**

—; Nuckolls, John H.: Exploding pusher performance at fixed laser power: a theoretical model (A), JOSA 68: 549

**Rosenbaum, F. J.** See Sun, M. J., AO 17: 1568

**Rosenbaum, J.** See Kopeika, N. S., AO 15: 1610

—; Kraus, L.: Propagation in a weakly anisotropic waveguide (T), AO 16: 2204

**Rosenberg, F. D.** See Feldman, Uri, JOSA 66: 153

**Rosenberg, W. J.** See Title, Alan M., AO 18: 3443

**Rosenberger, A. T.** See Lee, S. H., OL 4: 6

—; Detple, T. A.; Bowden, C. M.; Sung, C. C.: Superradiance and swept-gain superradiance in CH<sub>3</sub>F (A), JOSA 68: 700

**Rosenbluh, M.**

—; Panock, R.; Miller, T. A.; Lax, Benjamin: Motional Stark effect spectroscopy in high magnetic fields (A), JOSA 68: 1631

—; Temkin, R. J.; Button, K. J.: Submillimeter laser wavelength tables (R), AO 15: 2635

**Rosenblum, M.** See Arab, B., JOSA 68: 544

**Rosenblum, William G.** See Blaker, J. Warren, JOSA 69: 1446

**Rosenblum, William M.** See Shealy, David L., JOSA 64: 1357

—; Shealy, David L.: Caustic analysis of the interocular lens implants in humans (A), JOSA 67: 1427

—; Blaker, J. Warren: Optical matrix methods for the pseudophakic eye (A), JOSA 67: 1427

**Rosenbluth, Alan E.**

—; Forsyth, James M.: Normal incidence soft-x-ray reflectors for arbitrary wavelengths using a modified Langmuir-Blodgett method (A), JOSA 69: 1434

**Rosencwaig, A.**

—; Photo-acoustic spectroscopy: a new tool for the investigation of solids (A), JOSA 64: 1392

**Rosendahl, Gottfried R.**

—; Dykes, Wiley V.; Oharek, Frank J.: Design study of a panoramic lens system for visual simulation (A), JOSA 66: 79

**Rosenfeld, Azriel**

—; Measurement and characterization of texture (A), JOSA 69: 1404

—; Picture segmentation and description (A), JOSA 66: 172

**Rosenfeld, D. P.** See Bruning, J. H., AO 13: 2693

**Rosengart, E.-H.**

—; Pockrand, I.: Influence of higher harmonics of a grating on the intensity profile of the diffraction orders via surface plasmons (ET), OL 1: 194

**Rosengren, Lars-Goeran.** See Shumate, Michael S., AO 15: 2480

—; Optimal optoacoustic detector design (TR), AO 14: 1960

**Rosenstock, Herbert B.** See Hass, Marvin, AO 14: 1128; Palik, E. D., AO 17: 3345

—; Hass, Marvin; Gregory, Don A.; Harrington, James A.: Analysis of laser calorimetric data (A), JOSA 67: 252

—; Hass, Marvin; Gregory, Don A.; Harrington, James A.: Analysis of laser calorimetric data (ET), AO 16: 2837

—; Swick, David A.: Color discrimination for the color blind (A), JOSA 64: 1386

—; Gregory, Don A.; Harrington, James A.: Infrared bulk and surface absorption by nearly transparent crystals (ET), AO 15: 2075

—; Mechanisms for producing lattice absorption: one or two? (A), JOSA 67: 253

**Rosenthal, A. Ralph.** See Falconer, David G., AO 15: 29

**Rosenthal, Jenny E.**

—; Display devices in image processing, AO 14: 2971

**Rosenwaks, S.**

—; Broida, H. P.: Chemiexcitation transfer to high-lying Rydberg levels of Al (ET) (L), JOSA 66: 75

**Rosenwald, R. D.** See Hill, H. A., JOSA 69: 978

**Rosenwasser, George O. D.** See Herbert, Thomas J., JOSA 69: 1408

**Rosin, Seymour**

—; Amon, Max; Laakmann, Peter: Afocal parabolic reflectors (T) (L), AO 13: 741

—; Merit function as an aid in optical tolerancing (T) (L), AO 15: 2301

—; Reflexicon, a new reflective optical element, and some applications: comment (T) (L), AO 13: 1764

—; Still more on afocal parabolic reflectors (T) (L), AO 13: 2192

—; Unit magnification optical system (T), AO 16: 2568

**Ross, Charles B.** See Wood, David R., JOSA 64: 1159

—; Wood, David R.; Scholl, Pamela S.: Series limit and hydrogenlike series in PbII (TE), JOSA 66: 36

**Ross, David A.**

—; Kuriger, William L.: Expected lidar return from tornado clouds (T) (L), AO 15: 2958

**Ross, E. A.** See Schmidt, A. C., Jr., AO 14: 280

**Ross, John S.** See Miller, Glenn E., JOSA 66: 585

—; Isotope shifts and electron configurations in the spectrum of Er I (A), JOSA 64: 1371

**Ross, Monte**

—; Performance characteristics of digital base-band laser communication systems (A), JOSA 64: 520

**Rossi, J. A.** See Heckscher, H., AO 14: 94

**Rostas, Joelle.** See Petit, Alain, AO 17: 3081

**Roth, James A.** See Leith, Emmett N., JOSA 67: 1423, AO 16: 2565, AO 17: 3187, AO 18: 2803

—; Leith, Emmett N.: Image deblurring with an achromatic coherent image processor (A), JOSA 69: 1402

—; Dignam, M. J.: Scattering and extinction cross sections for a spherical particle coated with an oriented molecular layer (errata), JOSA 66: 981

**Rothbart, G. B.** See Sheppard, John, JOSA 68: 629

**Rothhaar, V. L.** See Vest, C. M., JOSA 66: 1084

**Rothman, L. S.** See Clough, Shepard A., JOSA 68: 1424

—; McClatchey, R. A.; Snider, D. E.; Goldman, A.; Clough, Shepard A.; Young, Louise D. Gray: AFGL trace gas compilation (TE) (L), AO 17: 507

—; Atmospheric optics, OSA Technical Group meeting, Tucson, 19 Oct 1976 (M), AO 16: 277

—; Benedict, W. S.: Infrared energy levels and intensities of carbon dioxide (TE), AO 17: 2605

—; Update of the AFGL atmospheric absorption line parameters compilation (TE) (L), AO 17: 3517

—; McClatchey, R. A.: Updating of the AFCRL atmospheric absorption line parameters compilation (L), AO 15: 2616

**Rothschild, Mordecai.** See Ham, David O., OL 1: 28

—; Tsay, Wei Shin; Ham, David O.: Pressure dependence of the multiphoton dissociation threshold of SF<sub>6</sub> (A), JOSA 68: 683

**Rothstein, Jerome**

—; Frontiers in Visual Science. Edited by S. J. Cool and E. L. Smith III (B), AO 18: 3080

—; Lamb, Willis E., Jr., a Festschrift on the Occasion of his 65th Birthday. Edited by D. Ter Haar and M. O. Scully (B), AO 18: 1889

—; Optical Communication Theory. Edited by R. O. Harger (B), AO 17: 2863

—; Optics and Information Theory. By F. T. S. Yu (B), AO 17: 845

—; Quantum Detection and Estimation Theory. By Carl W. Helstrom (B), AO 16: 791

**Rottigni, G. A.**

—; Concentration of the sun's rays using catenary curves (T), AO 17: 969

**Roulet, R. R.**

—; Maykut, G. A.; Grenfell, T. C.: Spectrophotometers for the measurement of light in polar ice and snow (E), AO 13: 1652

**Roumiguieres, J. L.**

—; Maystre, Daniel; Petit, R.: Efficiencies of rectangular-groove gratings (T), JOSA 66: 772

**Rounds, Donald E.**

—; Use of lasers in medicine (A), JOSA 64: 534

**Roundy, Carlos B.**

—; Pyroelectric self-scanning infrared detector arrays (E) (L), AO 18: 943

**Rourke, M. D.** See Barnoski, M. K., AO 16: 2375; Marom, Emanuel, JOSA 67: 1372

**Rouse, J. W., Jr.** See Blanchard, A. J., JOSA 66: 386, JOSA 66: 386; Wilhelm, G. J., JOSA 65: 1036

**Rousseau, D. L.**

—; Williams, P. F.: Excitation-frequency dependence of Raman scattering from simple gases (A), JOSA 64: 529

**Rousseau, M.** See Arnaud, Jacques A., OL 3: 63; Benard, C., JOSA 64: 1433



- Roux, J. A.** See Mundy, W. C., JOSA 64: 1593, JOSA 65: 974; Wood, B. E., AO 15: 940
- Rowe, A. P.**  
How radar began (N), AO 16: 2763
- Rowe, D. S.** See Kreid, Dennis K., AO 15: 321
- Rowe, Ednor M.**  
Synchrotron radiation facilities available at Stanford and Wisconsin (errata), AO 14: 3085
- Rowell, N. L.** See Normandin, R., JOSA 69: 1153
- ; So, V. C.-Y.; Stegeman, George I.: Brillouin scattering from thin-film waveguides (A), JOSA 67: 1410
- ; Normandin, R.; Stegeman, George I.: Measurement of optical field profiles in diffused  $\text{LiNbO}_3$  waveguides (A), JOSA 68: 1373
- Rowlands, R. E.** See Hung, Y. Y., AO 14: 618
- ; Lemens, P. O.: Moire strain analysis in cryogenic environments (E) (L), AO 18: 1886
- Rowlett, J. R.** See Gardner, C. S., AO 17: 3143
- ; Gardner, C. S.: Spectral processing of lidar photocount data (A), JOSA 68: 1386
- Rowley, Paul D.**  
—; Billman, Kenneth W.: Experimental attempts to confirm x-ray lasing from  $\text{CuSO}_4$  (E) (L), AO 13: 453
- Rowley, W. R. C.** See Woods, P. T., AO 17: 1048
- Roy, A. M.** See Ostrowsky, D. B., AO 13: 636
- ; Sejourne-Puech, B.: Visualization on integrated optical microcircuits by fluorescence (A), JOSA 66: 291
- Roy, Armando**  
—; Sutro, Louis L.: Model of the generation of a visual scanpath for aiming a robot eye (A), JOSA 67: 1406
- Roy, G.** See Blanchard, M., JOSA 68: 1389
- Roy, R.**  
—; Zubairy, M. S.: Analytic study of optical bistability in a standing wave cavity (A), JOSA 69: 1422
- Roychoudhuri, Chandrasekhar**  
Causality and classical interference and diffraction phenomena (A), JOSA 65: 1224
- ; Cornejo-Rodriguez, Alejandro: Dependence of the finesse of a Fabry-Perot on the plate separation (A), JOSA 67: 1385
- High-resolution spectrometers and picosecond pulse spectroscopy (A), JOSA 66: 1073
- ; Machorro, R.: Holographic nondestructive testing at the Fourier plane (ET) (L), AO 17: 848
- ; Calixto, Sergio: Michelson and double-slit interference with pulsed light and spectral interpretation (A), JOSA 67: 1385
- Multimode fiber optic interferometry (A), JOSA 69: 1448
- ; Guel, Salvador: Properties of Fourier transforms produced by different phase fronts (A), JOSA 68: 1375
- Response of Fabry-Perot interferometers to light pulses of very short duration (T), JOSA 65: 1418
- ; Fouere, Jean Claude; Cornejo-Rodriguez, Alejandro: Simultaneous tackling of the problems of temporal coherence length and speckle in holography (A), JOSA 64: 1382
- ; Malacara-Hernandez, Daniel: Spatial filtering and image positive-negative reversal (ET), AO 14: 1683
- ; Hercher, Michael: Stable multipass Fabry-Perot interferometer: design and analysis (ET), AO 16: 2514
- ; Fouere, Jean Claude; Cornejo-Rodriguez, Alejandro: Temporal coherence length and speckle: a simultaneous approach to those problems in holography (E) (L), AO 14: 2051
- ; Cornejo-Rodriguez, Alejandro: Temporal coherence length and speckle: a simultaneous approach to those problems in holography; authors' reply to comment (E) (L), AO 15: 1680
- Royt, T. R.** See Faust, W. L., JOSA 68: 639
- Rozsa, K.**  
—; Janossy, M.; Csillag, L.; Bergou, J.: High-voltage hollow cathode laser (A), JOSA 68: 717
- Ruben, Paul L.**  
Refractive null correctors for aspheric surfaces (A), JOSA 66: 1113
- Refractive null correctors for aspheric surfaces (R), AO 15: 3080
- Rubin, Lawrence F.**  
—; Wyant, James C.: Energy distribution in a scatterplate interferometer (TE), JOSA 69: 1305
- ; Wyant, James C.: Fabrication of low f/no. scatterplates (A), JOSA 66: 1089
- Ruccia, F. E.** See Aronson, James R., AO 18: 2622
- Ruckdeschel, F. R.**  
—; Walsh, A. M.; Hauser, O. G.; Stephan, C. H.: Characterizing half-tone noise: a technique (E), AO 17: 3999
- ; Stephan, C. H.: Line-profile measurement of xerographic copy (ET), AO 17: 2043
- ; Hauser, O. G.: Yule-Nielsen effect in printing: a physical analysis (T), AO 17: 3376
- Ruda, Mitchell**  
Null tests for eccentric sections of aspheric mirrors (A), JOSA 68: 1417
- Procedure for null testing sections of aspheric surfaces (A), JOSA 69: 1418
- Ruda, Mitchell C.**  
Optical engineering of an unobscured 2 m aperture laser radar simulator (A), JOSA 66: 1113
- Rudakov, I.**  
Soviet particle beam fusion program (A), JOSA 68: 545
- Rudd, Milo O.**  
Rearview periscope comprised of two concave cylindrical mirrors (E), AO 17: 1687
- Ruddock, I. S.**  
Subpicosecond pulse generation in a mode-locked cw dye laser with a slow saturable absorber (E) (L), AO 18: 3212
- Rudisill, J. Earl.** See Allen, Susan D., JOSA 67: 253, AO 16: 2914; Harrington, James A., JOSA 67: 252, AO 16: 2843, AO 17: 2798
- ; Braunstein, A. I.; Braunstein, Morris: Dichroic components for high energy  $\text{CO}_2$  lasers (A), JOSA 66: 166
- ; Braunstein, Morris; Harrington, James A.; Pedinoff, M. E.; Zuccaro, D.: Dielectric enhanced mirrors for IR lasers (A), JOSA 69: 1438
- ; Harrington, James A.: Low-loss antireflection coatings for DF chemical lasers (A), JOSA 68: 1418
- ; Harrington, James A.; Braunstein, Morris: Low-loss antireflection coatings for DF chemical lasers (ET), AO 18: 1220
- ; Braunstein, A. I.; Braunstein, Morris: Optical coatings for high energy ZnSe laser windows (ET), AO 13: 2075
- Rudman, P. S.** See Janai, M., OL 2: 51
- Rudnitsky, Yu. P.** See Burdonsky, J. N., AO 15: 1450
- Rudolph, D.** See Hunter, W. R., JOSA 66: 1136; Niemann, B., AO 15: 1883; Speer, R. J., AO 13: 1258
- Rudolph, W.** See Lindner, F. W., AO 14: 2225
- Rueckle, B.** See Schmidt, H., AO 17: 1275
- Ruehl, F.** See Fischer, Heinz, AO 13: 1759
- Rugh, Robert W.** See Angus, John C., AO 16: 2798
- Ruiz, R. D.** See Bender, M. L., AO 13: 2623
- Ruiz, Reuben M.** See Green, William B., AO 14: 105
- Ruiz-Urbieta, M.**  
—; Sparrow, E. M.; Parikh, P. D.: Two-film reflection polarizers: theory and application (T), AO 14: 486
- Rulif, Benjamin**  
Discontinuity radiation in surface waveguides (T), JOSA 65: 1248
- Rumsey, V. H.** See Lewis, A. R., JOSA 67: 178
- Rundel, R. D.**  
—; Dunning, F. B.; Goldwire, H. C., Jr.; Stebbings, R. F.: Near-threshold photoionization of xenon metastable atoms (E), JOSA 65: 628
- Runge, P. K.**  
—; Curtis, L.; Young, W. C.: Precision transfer molded single-fiber optical connector (A), JOSA 67: 708
- Runk, R. B.** See Paek, U. C., JOSA 67: 706
- Zirconia induction furnace for drawing precision silica waveguides (A), JOSA 67: 706
- Rupert, P. R.** See Gagnon, W. J., JOSA 68: 548; Suski, G., JOSA 68: 547
- Rupert, V. C.** See Phillion, D. W., JOSA 68: 544
- Rupp, Wiktor J.**  
Mechanism of the diamond lapping process (E) (L), AO 13: 1264
- Spectacle Lens Technology. By D. F. Horne (B), AO 18: 4144
- Surface microstructure of ground glass (A), JOSA 65: 1215
- Ruppin, R.**  
Optical properties of a metal sphere with a diffuse surface (T), JOSA 66: 449
- Ruquist, R. D.**  
ZAPS—a new point-of-interest projection system (A), JOSA 67: 1375
- Ruschin, Shlomo.** See Kaufman, Yoram J., AO 16: 1187
- Rusconi, Luigia.** See De Biase, Giuseppe A., AO 15: 1901
- Rushford, M. C.** See Hackel, L. A., JOSA 68: 1084, JOSA 69: 230
- Rushforth, C. K.** See Frost, R. L., AO 18: 2056
- Rushworth, P. M.** See Corcoran, Vincent J., AO 14: 643
- Russel, B. R.** See Clark, James B., JOSA 69: 1480
- Russell, E. E.** See Pellicori, S. F., AO 18: 2618
- Russell, James M., III.** See Park, Jae H., AO 18: 1950
- ; Park, Jae H.; Drayson, S. Roland: Global monitoring of stratospheric halogen compounds from a satellite using gas filter spectroscopy in the solar occultation mode (TE) (errata), AO 16: 1479
- ; Park, Jae H.; Drayson, S. Roland: Global monitoring of stratospheric halogen compounds from a satellite using gas filter spectroscopy in the solar occultation mode (TE), AO 16: 607
- Russell, Philip B.**  
—; Uthe, Edward E.: Application of directly measured aerosol radiative properties to climate models (A), JOSA 67: 260
- ; Scribner, E. J.; Livingston, J. M.; Uthe, Edward E.: Automated multiwavelength sunphotometer and its use in aerosol/climatic studies (A), JOSA 68: 1358
- Laser radar conference, eighth international, Drexel University, 6-9 June 1977 (M), AO 16: 2587
- ; Swisler, Thomas J.; McCormick, M. Patrick: Methodology for error analysis and simulation of lidar aerosol measurements (T), AO 18: 3783
- Russell, Philip St. J.**  
Finite beam reflection volume holograms (A), JOSA 69: 1416
- Reconstruction fidelity from volume holograms of finite width and variable index modulation (T), JOSA 69: 496
- Russell, Robert A.** See Case, Steven K., AO 15: 2307
- Russo, Anthony J.**  
Laser anemometer for large high velocity particles (E) (L), AO 14: 18
- Russo, Vera.** See Righini, Giancarlo C., AO 13: 1019; Sottini, Stefano, JOSA 69: 1248
- Russwurm, G. M.** See Chaney, L. W., AO 18: 3004; Patty, R. R., AO 13: 2850
- Rustgi, Om P.**  
—; Brown, Frederick C.: Soft-x-ray grazing-incidence grating spectrometer (A), JOSA 64: 538
- Ryan, Danette P.** See Fantone, Stephen D., JOSA 66: 1119; Moore, Duncan T., JOSA 68: 1157
- Ryan, J. P.** See Bradley, D. J., JOSA 68: 664
- Ryan, J. S.** See Carswell, A. I., JOSA 67: 259; Pal, S. R., AO 17: 2257
- ; Pal, S. R.; Carswell, A. I.: Laser backscattering from dense water-droplet clouds (E), JOSA 69: 60
- ; Carswell, A. I.: Laser beam broadening and depolarization in dense fogs (E), JOSA 68: 900
- ; Carswell, A. I.: Laser beam broadening and polarization in dense fogs (A), JOSA 67: 1369
- Ryan, L. W., Jr.** See Burns, M., AO 15: 672
- Rye, B. J.**  
Antenna parameters for incoherent backscatter heterodyne lidar (T), AO 18: 1390
- Differential absorption lidar system sensitivity with heterodyne reception (T) (L), AO 17: 3862
- Rylander, R. L.** See Mueller, R. K., JOSA 69: 407
- Sabrin, Howard W.**  
—; Kertesz, Andrew E.: Eye movements during binocular rivalry (A), JOSA 66: 1090
- Sacchetti, F.** See De Biase, Giuseppe A., JOSA 64: 335
- Saccocio, E. J.**  
Basic mechanism in free abrasive grinding (L), AO 14: A224
- Sachdev, R. N.**  
—; Gupta, J. P.; Vohra, K. G.: Trombay infrared pneumatic detector: theory of operational characteristics (TE), AO 17: 3472



- Sackett, Philip B.** See Hordvik, Audun, AO 13: 1060
- Sadasiv, G.** See Chien, H. C., JOSA 67: 255
- Sadlej, N.** See Ganko, T., AO 13: 2770
- Sadowski, David.** See Cadman, T. W., AO 17: 831
- Sadowski, Walter L.**  
Plasmas and Laser Light. By T. P. Hughes (B), AO 16: 1117
- Saekeang, Charoon**  
—; Chu, Pak L.: Backscattering of light from optical fibers with arbitrary refractive-index distributions: uniform approximation approach (T), JOSA 68: 1298
- ; Chu, Pak L.: Diameter determination of graded-index optical fibers from backward-scattered pattern (ET), AO 18: 3276
- ; Chu, Pak L.: Nondestructive determination of refractive index profile of an optical fiber: backward light scattering method (TE), AO 18: 1110
- Safaei-Jazi, A.**  
—; Yip, Gar Lam: Mode classification and cutoff conditions in fiber optical waveguides (A), JOSA 67: 1372
- Safir, Aran**  
Puzzles and problems in ophthalmology to tease the physicist's fancy (A), JOSA 64: 1368
- Sagan, Stephen F.**  
—; Shannon, Robert R.: Measurement of information capacity by the use of optical processing systems (A), JOSA 66: 1130
- Sagawa, Ken.** See Ikeda, Mitsuo, JOSA 69: 316
- Sahar, E.** See Bruck, A., AO 16: 564
- Sahara, M.** See Mitsuhashi, Y., AO 16: 1138; Nakajima, M., AO 17: 922
- Saheki, T.** See Tajime, T., AO 17: 1290, AO 18: 419
- Saifi, M. A.**  
Limitations in CO<sub>2</sub> laser fiber drawing (A), JOSA 67: 706
- ; Borutta, R.: Split-beam system for laser drawing of optical fibers (A), JOSA 66: 380
- Saikana, Seishiro**  
Angular momentum dependence of laser-induced birefringence and dichroism in atomic resonance lines (T), JOSA 68: 1184
- ; Ou, Donald; Schaefer, Fritz P.: Automatic phase-matched frequency-doubling system for the 240–350-nm region (E), AO 18: 193
- Saile, V.**  
—; Gurtler, P.; Koch, E. E.; Kozevnikov, A.; Skibowski, M.; Steinmann, W.: High resolution monochromator for the VUV radiation from the DORIS storage ring (E), AO 15: 2559
- Saini, Vasant D.** See Cohen, Gerald H., JOSA 67: 1381
- ; Cohen, Gerald H.: Substitution pupil response exposes chromatic mechanisms (A), JOSA 68: 1392
- ; Cohen, Gerald H.: Using color substitution pupil response to expose chromatic mechanisms (TE), JOSA 69: 1029
- St. Clair, D. C.** See Mills, Frank S., JOSA 65: 1165
- Saint-Dizier, Jean-Pierre.** See Gagne, Jean-Marie, AO 13: 581, AO 13: 1739, AO 17: 2507, JOSA 65: 962, JOSA 66: 1415
- ; Gagne, Jean-Marie: Spectral interval, photoelectric effect, and variance (T) (L), AO 13: 1740
- St. Florian, Friedrich**  
Imaginary architecture and the aesthetics of impermanence (A), JOSA 65: 1189
- Saint-Hilaire, Gilles**  
Numerical study of a CO<sub>2</sub> laser beam focused on a theta-pinch plasma in the axial direction (TE), AO 16: 1975
- St. Peters, R. L.** See Penney, C. M., JOSA 64: 712
- Augmented coherent anti-Stokes Raman spectroscopy linewidth parameter from laser-mode structure (T), OL 4: 401
- Saishin, M.** See Matsumoto, T., AO 17: 3538
- Saisse, Michel.** See Laget, Michel, AO 16: 961
- Saissy, A.** See Azema, A., JOSA 66: 292; Botineau, J., AO 17: 1208
- Saito, F.** See Takahashi, S., JOSA 66: 1062
- Saito, Hiroyoshi.** See Yatagai, Toyohiko, AO 17: 458
- Saito, M.** See Matsuda, A., AO 13: 1992
- Saito, Shigebumi.** See Fujii, Yoichi, AO 17: 844
- Saito, Shoichi.** See Noda, Juichi, JOSA 68: 1690
- Saito, Theodore T.** See Arnold, J. B., AO 14: 1777; Guadagnoli, M. D., AO 14: 2806; Kurdock, John, AO 14: 1808; Lester, Robert S., JOSA 66: 1105; AO 16: 2063
- ; Kurdock, J. R.; Soileau, M. J.; Austin, R.: Russel: Absorption at 10.6- $\mu$ m dependence on roughness of UHV-coated supersmooth mirrors (E) (L), AO 14: 266
- ; Kurdock, J. W.; Austin, R. W.; Soileau, M. J.: Absorption 10.6- $\mu$ m dependence on roughness of uhv silver-coated super-smooth metal mirrors (A), JOSA 64: 536
- ; Esposito, R. R.; Johnson, F. E.: Adherent dielectric coating of diamond-turned mirrors (E), OL 2: 19
- ; Simmons, L. B.; Callender, A. B.: A.F.W.L. 10.6- $\mu$ m absorption calorimeter for metal-substrate mirrors (A), JOSA 64: 536
- ; Callender, A. B.; Simmons, L. B.: Calorimeter to measure the 10.6- $\mu$ m absorption of metal substrate mirrors (E), AO 14: 721
- ; Kurdock, J. R.: Diamond turning and polishing of infrared optical components (E) (L), AO 15: 27
- Machining of optics: an introduction (E), AO 14: 1773
- ; Simmons, L. B.: Performance characteristics of single point diamond machined metal mirrors for infrared laser applications (E), AO 13: 2647
- Sakaguchi, S.** See Takahashi, S., JOSA 66: 1062
- Sakai, Hajime.** See Esplin, Mark, JOSA 69: 1411; Hansen, Peter, JOSA 67: 1419; Murphy, Randall E., JOSA 64: 1364, JOSA 65: 600
- Fourier Transform Infrared Spectroscopy, Fourth International Conference, University of South Carolina, 20-24 Jun 1977 (M), AO 17: 3
- High-resolution Fourier spectroscopy (A), JOSA 64: 1364
- ; Murphy, Randall E.: Improvements in time resolved Fourier spectroscopy (E), AO 17: 1342
- Kogaku, Japanese Journal of Optics. Editor: G. Kuwabara (B), AO 14: A97
- Sakai, Jun-ichi**  
—; Kimura, Tatsuya: Bending loss of propagation modes in arbitrary-index profile optical fibers (T), AO 17: 1499
- ; Kimura, Tatsuya: Large-core, broadband optical fiber (T), OL 1: 169
- Simplified bending loss formula for single-mode optical fibers (T) (L), AO 18: 951
- ; Kimura, Tatsuya: Splice loss evaluation for optical fibers with arbitrary-index profile (T), AO 17: 2848
- ; Kimura, Tatsuya: Splicing and bending losses of single-mode optical fibers (T), AO 17: 3653
- Sakai, K.** See Genzel, L., JOSA 67: 871
- ; Masumoto, H.; Ichimura, K.; Kojima, H.: High-resolution lamellar-grating Fourier-transform spectrometer for the submillimeter region (E), AO 17: 1709
- Sakajo, A.** See Aritome, H., JOSA 66: 289
- Sakamoto, Y.** See Iga, Kenichi, JOSA 69: 1482
- Sakayanagi, Yoshimi**  
—; Aoki, Sadao: Soft x-ray imaging with toroidal mirrors (E), AO 17: 601
- Sakitt, Barbara**  
—; Long, Gerald M.: Cones mediate subjective transients but rods mediate sustained persistence (A), JOSA 68: 1450
- Sakuma, Eiichi**  
Properties of cat-whisker antennas for He-Ne 3.39  $\mu$ m radiation (A), JOSA 69: 1428
- Sakuma, Nanayuki.** See Sato, Takuso, AO 18: 386
- Sakurai, H.** See Kozaki, S., JOSA 68: 508
- Salamo, Gregory J.** See Berry, James A., JOSA 68: 1394; Newbold, Mark A., JOSA 68: 1388
- Salathe, Rene.** See Keller, Rene, AO 14: 1616
- ; Bolleter, W.; Gilgen, H.: Long range injection laser radar (E) (L), AO 16: 2621
- Salcedo, J. R.**  
—; Siegman, A. E.; Dlott, D. D.; Fayer, M. D.: Amplitude grating effects induced by picosecond laser-produced acoustical waves (A), JOSA 68: 1412
- Salcedo, Jose**  
—; Hayward, Gary; Siegman, A. E.; Fayer, M. D.; Zorabedian, Paul; Dlott, D. D.: Measurement of fast process using transient grating methods (A), JOSA 66: 1074
- Saleh, A. A. M.** See Arnaud, Jacques A., AO 13: 2343
- Saleh, Bahaa E. A.** See Cohn, Theodore E., JOSA 67: 1426
- A priori information and the degrees of freedom of noisy images (T), JOSA 67: 71
- Bilinear processing of 1-D signals by use of linear 2-D coherent optical processors (TE), AO 17: 3408
- ; Goeke, Wayne C.: Can a coherent optical filter compensate post-detection spatial blur? (A), JOSA 68: 1375
- Coherence and Quantum Optics IV. Edited by Leonard Mandel and Emil Wolf (B), JOSA 69: 1731
- ; Goeke, Wayne C.: Coherent optical compensation of post-detection spatial distortion (T), JOSA 69: 1172
- Estimation of the location of an optical object with photodetectors limited by quantum noise (T), AO 13: 1824
- ; Hentee, Toma: Image restoration utilizing the spatial masking of the visual system (A), JOSA 67: 1406
- ; Goeke, Wayne C.: Restoration of bilinearly distorted images (A), JOSA 69: 1443
- Spatial Fourier transform using the human eye (A), JOSA 68: 1451
- ; Selinger, B. K.: Special situations in public lighting, AO 16: 1408
- Speckle correlation measurement of the velocity of a small rotating rough object (L), AO 14: 2344
- Trade off between resolution and noise in restoration by superposition of images (T), AO 13: 1833
- Transmission of Information in the Optical Waveband. By L. G. Kazovsky (B), AO 18: 751
- Sales, Andre.** See Guy, Jean, AO 18: 1862
- Salib, S. K.**  
Light scattering and absorption by coated spheres (A), JOSA 64: 528
- Salimbeni, R.** See Burlamacchi, P., AO 14: 1311
- ; Pole, Robert V.: Compact high-precision wavemeter (A), JOSA 69: 1454
- Salisbury, Charles W.** See Fein, Michael E., AO 16: 2308
- Saloman, E. B.**  
—; Ederer, D. L.: Absolute radiometric calibration of detectors between 200–600 (E), AO 14: 1029
- Time response of NBS windowless XUV radiometric transfer standard detectors (E) (L), AO 14: 1764
- Typical photoefficiency between 20–250 eV of windowless XUV photodiodes with tungsten and anodized aluminum oxide photocathodes (E) (L), AO 17: 1489
- Unfolding first and second order diffracted radiation when using synchrotron radiation sources: a technique (E), AO 14: 1391
- ; Ederer, D. L.; Madden, R. P.: Windowless-diode radiometric transfer standards from 200 to 1200 Å (A), JOSA 64: 547
- Salour, M. M.** See Adams, M. C., JOSA 68: 665
- Saltzman, Max**  
Modern Chromatics: Students' Text-Book of Color with Applications to Art and Industry. By Ogden N. Rood (B), JOSA 65: 360
- Salvi, Theodore C.**  
—; Paxton, Alan H.: Calculation of equivalent Fresnel numbers for unstable resonators with scraper mirrors (T) (L), AO 18: 2098
- Salyer, Bob**  
—; Hanson, Willard: Laser cutting—current applications, future potentials (A), JOSA 66: 380
- Salzman, G. C.** See Bartholdi, Marty, JOSA 67: 1381, OL 1: 223
- ; Crowell, J. M.; Mullaney, Paul F.: Flow-system multi-angle light-scattering instrument for biological cell characterization (A), JOSA 65: 1170
- ; Burger, Douglas E.; Bartholdi, Marty: Light scattering from single particles and biological cells in a flow system (A), JOSA 67: 1382
- ; Crowell, J. M.; Price, B. J.; Hansen, K. M.; Ingram, M.; Mullaney, Paul F.: Scattering techniques to detect and record various human cell types (A), JOSA 66: 387
- Salzmann, H.** See Schmidt, H., AO 14: 2250
- Sam, C. L.**  
—; Kyros, T.; Seymour, R. J.: Nitrogen laser using discrete ceramic capacitors in a Blumlein-type circuit (A), JOSA 66: 386
- Samid, I.** See Lee, C. P., JOSA 66: 291
- Sammut, Rowland A.** See Israelachvili, Jacob, JOSA 65: 221; Snyder, Allan W., JOSA 69: 1063
- Comparison of leaky-mode and leaky-ray analyses of circular optical fibers (T) (L), JOSA 66: 370



- ; Snyder, Allan W.: Contribution of unbound modes to light absorption in visual photoreceptors (TE), JOSA 64: 1711  
Effect of leaky modes on the response of short optical fibers (T) (L), JOSA 67: 1284
- ; Snyder, Allan W.: Leaky modes on a dielectric waveguide: orthogonality and excitation (T), AO 15: 1040
- ; Snyder, Allan W.: Leaky modes on a dielectric waveguide: orthogonality and excitation (errata), AO 15: 2953
- ; Snyder, Allan W.: Leaky modes on circular optical waveguides (T), AO 15: 477
- Samokhvalov, I. V.** See Zuev, V. E., AO 16: 2231  
Double-scattering approximation of lidar equation for inhomogeneous atmosphere (T), OL 4: 12
- Sampath, Ravi.** See Lewis, Owen, JOSA 68: 542
- Sample, J. O.** See Ku, R. T., AO 14: 854
- Sampson, Whitney**  
Puzzles and problems in ophthalmology to tease the physicist's fancy (A), JOSA 64: 1368
- Samson, J. C.** See Oldenburg, D. W., JOSA 69: 927
- Samson, James A. R.** See Arakawa, E. T., AO 17: 2502
- ; Haddad, G. N.: Absolute photon-flux measurements in the vacuum ultraviolet (ET), JOSA 64: 47  
Beam-Foil Spectroscopy, Topics in Current Physics, Volume 1. Edited by S. Bashkin (B), JOSA 67: 1131
- ; Haddad, G. N.: Fluorescent efficiency of sodium salicylate between 116 and 600 Å (E) (L), JOSA 64: 1346  
Photoelectron Spectroscopy: An Introduction to Ultraviolet Photoelectron Spectroscopy in the Gas Phase. By J. H. D. Eland (B), AO 14: 2309  
Some Aspects of Vacuum Ultraviolet Radiation Physics. N. Damany, J. Romand, and B. Vodar, Editors (B), JOSA 65: 1158
- Samuelsson, H.** See Kunze, C., AO 15: 661; Stephan, K. H., AO 14: 2668
- Sanchez, A.** See Daneu, V., AO 13: 122
- ; Henshaw, P. D.; McSheehy, R. B.: Fabry-Perot optical switch driven by a fast PZT transducer (E) (L), AO 18: 2359
- Sanchez, F.**  
—; Lecompte, C.: Q-switched Nd<sup>3+</sup> glass laser of variable temporal coherence (E), AO 13: 1071
- Sanchez, H. R.**  
—; Simon, Maria C.; Simon, Juan M.: Polarization properties of diffraction gratings (E) (L), JOSA 66: 1055
- Sanchez-Mondragon, J.**  
—; Narozhny, N. B.; Eberly, Joseph H.: Two-time correlations in the Jaynes-Cummings model (A), JOSA 69: 1414
- Sandel, Bill R.** See Broadfoot, A. Lyle, AO 16: 1533
- ; Broadfoot, A. Lyle; Shemansky, D. E.: Microchannel plate life tests (E), AO 16: 1435
- ; Broadfoot, A. Lyle: Photoelectron counting with an image intensifier tube and a self-scanned photodiode array (E), AO 15: 3111
- Sandeman, R. J.**  
Hook vernier (TE) (L), AO 18: 3873
- ; Ebrahim, N. A.: Spatially resolved excitation temperature measurements in a hypersonic flow using the hook method (E), AO 16: 1376
- Sandercock, J. R.**  
Light scattering from thermally excited surface phonons (A), JOSA 68: 551
- Sanders, David**  
Colour Generation and Control in Glass. By C. R. Bamford (B), AO 17: 500  
Silicate Glass Technology Methods. By C. L. Babcock (B), AO 16: 2598
- Sanders, R. K.** See Makous, Walter, JOSA 68: 1365
- Sanders, Virgil E.** See Anderson, Dana Z., AO 18: 941; Chow, Weng W., JOSA 68: 1380; Grant, D. C., Jr., JOSA 66: 1133; Scully, Marian O., OL 3: 43  
High-precision reflectivity measurement technique for low-loss laser mirrors (E) (L), AO 16: 19
- Sandford, B. P.** See Bernstein, L. S., AO 18: 2454
- Sandoval, H. F. Ranea**  
—; Tocho, J. O.; Gallardo, M.; Garavaglia, M.: Spectroscopic analysis of the transverse excited C<sup>3+</sup>Π<sub>u</sub>-B<sup>3+</sup>Π<sub>g</sub>(0-0) UV laser band of N<sub>2</sub> at room temperature: comments (ET) (L), AO 18: 1705
- Sandoval, Robert P.** See Patterson, E. L., JOSA 68: 651  
Resonator configuration for the suppression of relaxation oscillations in a long-pulsed Nd:YAG laser (E), AO 18: 1328
- Sandri, G.** See Neer, M. E., JOSA 67: 259
- Sandstrom, R. L.** See Wang, Charles P., AO 14: 1285
- ; Wang, Charles P.: Stable resonator for high-power argon-ion laser (A), JOSA 64: 553
- Sanford, Norman A.** See Das, P., JOSA 69: 1483
- Sanger, Gregory M.** See Shannon, Robert R., JOSA 66: 1092  
Multiple-mirror telescope as a multibase Michelson stellar interferometer (A), JOSA 67: 1385  
Sensitivity of a synthetic aperture PSF to misalignment phase errors (A), JOSA 66: 1137
- Sanguinet, J. A.** See Bridges, William B., AO 13: 291
- Sansonetti, Craig J.** See Palmer, Byron A., AO 17: 2280
- Sansoni, G.** See Bertolotti, Mario, AO 18: 528
- Santamaria, J.**  
—; Gough, P. T.; Warren, D. W.: Noise-free contrast improvement with a low frequency polarizing filter: a practical evaluation (E), AO 16: 1513
- Santamato, E.** See DeMartini, F., JOSA 68: 662
- Santana, C.**  
—; Felsen, Leopold B.: Effects of medium and gain inhomogeneities in unstable optical resonators (A), JOSA 66: 1132
- ; Felsen, Leopold B.: Effects of medium and gain inhomogeneities in unstable optical resonators (T), AO 16: 1058
- ; Felsen, Leopold B.: Mode losses in unstable resonators with rounded edges (T), AO 17: 2239
- ; Felsen, Leopold B.: Small misalignment effects in unstable resonators (A), JOSA 68: 690
- ; Felsen, Leopold B.: Unstable open resonators: two-dimensional and three-dimensional losses by a waveguide analysis (T), AO 15: 1470
- ; Felsen, Leopold B.: Unstable strip resonators with misaligned circular mirrors (T), AO 17: 2352
- Santana, M. R.** See Buckler, M. J., JOSA 67: 708
- Santo, R.** See Swalen, J. D., JOSA 66: 291
- Santoro, R. J.**  
—; Fernandez-Pello, A. C.; Dryer, F. L.; Glassman, I.: Application of a two-component LDV to the measurement of flows induced by flames propagating over condensed fuels (E), AO 17: 3843
- Santoro, Thomas P.** See Fender, Derek H., JOSA 65: 1209, JOSA 67: 1489
- Santucci, S.** See Balzarotti, A., JOSA 69: 1460
- Sapp, Edwin**  
—; Penchina, Claude M.; Pribram, John K.; Yates, Douglas A.: Mechanical modification to the EU-700 monochromator (E) (L), AO 14: 2565
- Sarazin, M.** See Authier, B., AO 18: 3081
- Sargent, J. P.**  
—; Yates, B.: Interferometric measurement of thermal expansion (E) (L), AO 17: 682
- Sargent, Murray, III.** See Fu, Tao-yi, OL 4: 366; Lamb, Willis E., Jr., JOSA 68: 638; Scully, Marian O., OL 3: 43
- ; Swantner, William H.; Thomas, J. D.: Effects of spatial hole burning on distributed feedback laser operation (A), JOSA 68: 700  
Oscillating infrared saturability of p-Ge (A), JOSA 66: 1073
- ; Hambenne, J. B.: Probe saturation in saturation grating spectroscopy (A), JOSA 66: 1126  
Quantum Detection and Estimation Theory. By Carl W. Helstrom (B), JOSA 68: 145
- Sari, S. Oliver.** See Smith, P. Hollingsworth, JOSA 66: 1070
- ; Smith, P. Hollingsworth; Gurev, H. Samuel: Infrared impurity and free-carrier absorption in silicon-silver films (A), JOSA 67: 252
- Sarid, Dror**  
High efficiency input-output prism waveguide coupler: an analysis (ET), AO 18: 2921
- ; Stegeman, George I.: Light scattering on internal reflection from surface acoustic waves (A), JOSA 67: 1444
- Sarjeant, M.** See Jones, A. R., AO 17: 328
- Sarjeant, W. J.** See Alcock, A. J., JOSA 68: 717
- Sarma, A. V. S. S. R.**  
—; Kutty, T. G. George: Accurate measurement of absolute retardation using holography (TE), AO 17: 3964
- ; Srinath, L. S.: Two simple graphical methods for determining the action of a system of polarizers and retarders (T) (L), JOSA 66: 976
- Sarna, Chander S.** See Stark, Henry, JOSA 69: 1442, AO 18: 2086
- Saroyan, R. A.** See Stokowski, S. E., JOSA 68: 542; Weber, Marvin J., JOSA 66: 388, JOSA 68: 542
- Sartakov, B. G.** See Akulin, V. M., JOSA 68: 694
- Saruwatari, Masatoshi.** See Kawana, Akio, OL 2: 106; Kimura, Tatsuya, AO 17: 2420
- ; Nawata, Kiyoshi: Semiconductor laser to single-mode fiber coupler (E), AO 18: 1847
- Sasaki, Kimio.** See Sato, Takuso, AO 17: 230, AO 17: 667, AO 17: 717
- Sasaki, M.** See Kubota, T., AO 15: 556
- Sasaki, Osami.** See Sato, Takuso, AO 17: 3890
- ; Sato, Takuso: Two-dimensional velocity distribution measuring system using multiple laser beam line detectors and high order correlation analysis (ET), AO 18: 3522
- Sasaki, T.**  
—; Oda, T.; Sugawara, H.: Measurement of absolute intensity of radiation in XUV by a rare-gas photoelectron counter (E), AO 16: 3115
- Sasamori, Akira.** See Seko, Atsuya, AO 18: 2052
- Sasano, Y.**  
—; Shimizu, H.; Takeuchi, N.; Okuda, Masahiro: Geometrical form factor in the laser radar equation: an experimental determination (E), AO 18: 3908
- Sasnett, Michael W.**  
—; Woodward, Benjamin: High-power nitrogen laser engineering and manufacturing (A), JOSA 66: 386
- Sassen, Kenneth**  
Angular scattering and rainbow formation in pendant drops (TE), JOSA 69: 1083  
Angular scattering and rainbow formation in pendant drops (TE), JOSA 69: 1195  
Backscattering cross sections for hydrometeors: measurements at 6328 Å (E), AO 17: 804  
Iridescence in an aircraft contrail (TE), JOSA 69: 1080  
Iridescence in an aircraft contrail (TE), JOSA 69: 1194  
Optical backscattering from near-spherical water, ice, and mixed phase drops (ET), AO 16: 1332
- Sastri, V. D. P.** See Remus, G., AO 17: 3076
- Sato, Heihachi.** See Gamo, Hideya, JOSA 64: 562
- ; Toda, Kohji: Reflection-type electrically controllable diffraction grating and its application to intracavity laser modulation (ET), AO 16: 1280  
Resonant-pulse propagation method for line-shape parameters analysis (T) (L), JOSA 69: 368
- Sato, Isao**  
—; Kato, Makoto: Speckle-noise simulation of Fourier-transform holography with random phase sequences (T) (L), JOSA 65: 856
- Sato, Koki**  
—; Shimizu, Tukasa: Characteristics of deterministic phase codes for holography (ET), AO 14: 102
- Sato, R. K.** See DeLuisi, John J., AO 14: 1917
- Sato, T.**  
—; Szeto, K. Y.; Scott, G. David: Optical properties of aggregated gold on aluminum, AO 18: 3119
- ; Scott, G. David: Transmittance of aggregated silver films with an opaque overcoating (E) (L), JOSA 64: 100
- Sato, Takuso.** See Sasaki, Osami, AO 18: 3522; Ueda, Mitsuhiro, AO 15: 2690; Wadaka, Shusou, JOSA 65: 354, JOSA 66: 145
- ; Ikeda, Osamu; Ueda, Yoshifumi: Computer-aided deformable-mirror system using differential angle control (E), AO 17: 3945
- ; Ishii, Junichi; Wadaka, Shusou: Computer controlled image sensor and its application (ET), AO 18: 485
- ; Ogawa, Hiroshi; Ueda, Mitsuhiro: Contour generation of vibrating object, by weighted subtraction of holograms (TE) (L), AO 13: 1280



- ; Sasaki, Kimio; Yamamoto, Ryuichi: Image processing system using incoherent image feedback (ET), AO 17: 717
- ; Wadaka, Shusou; Yamamoto, Jiro; Ishii, Junichi: Imaging system using an intensity triple correlator (ET), AO 17: 2047
- ; Kishimoto, Tadao; Sasaki, Kimio: Laser Doppler particle measuring system using forced vibration synchronized detection and power spectral analysis (ET), AO 17: 230
- ; Kishimoto, Tadao; Sasaki, Kimio: Laser Doppler particle measuring system using nonsinusoidal forced vibration and bispectral analysis (ET), AO 17: 667
- ; Sasaki, Osami: New 3-D laser Doppler velocimeter using cross-bispectral analysis (ET), AO 17: 3890
- ; Tsujimura, Kiyoyuki; Ueda, Mitsuhiro: Opto-ultrasonic sounding system (E), AO 15: 1229
- ; Nakatani, Yutaka; Ueda, Mitsuhiro: Real time display of velocity distribution on a surface by using ultrasonic laser light frequency shifter and TV system (E) (L), AO 13: 2759
- ; Nakatani, Yutaka; Ueda, Mitsuhiro: Real time Doppler imaging system using forced vibration of the object (TE), AO 16: 1263
- ; Kishimoto, Tadao; Nakatani, Yutaka: Real-time grey level display of velocity distributions on a surface (ET) (L), AO 15: 867
- ; Ueda, Mitsuhiro; Ikeda, Tamon: Real time superresolution by means of an ultrasonic light diffractor and TV system (E), AO 13: 1318
- ; Ueda, Mitsuhiro; Ogasawara, Ichiro: Real-time superresolution optical system using multiple lasers and a TV system (ET) (L), AO 15: 851
- ; Ueda, Mitsuhiro; Yamagishi, Genjiro: Superresolution microscope using electrical superposition of holograms (E), AO 13: 406
- ; Sakuma, Nanayuki; Ikeda, Osamu; Ishida, Hiroyuki: Umbrella-type dynamic-focusing mirror system (E), AO 18: 386
- Sato, Takuzo**
  - ; Suzuki, Yoshihiro; Kashiwagi, Hiroshi; Nanjo, Motoi; Kakui, Yoshimi: Laser radar for remote detection of oil spills (A), JOSA 67: 1363
  - ; Suzuki, Yoshihiro; Kashiwagi, Hiroshi; Nanjo, Motoi; Kakui, Yoshimi: Laser radar for remote detection of oil spills (E), AO 17: 3798
- Sato, Tatsumi**
  - ; Fujiwara, Hirofumi; Murata, Kazumi: Holography of a moving object using the frequency chirp of a Q-switched ruby laser (ET), AO 17: 3096
- Satoshi, Aoki**
  - ; Tanaka, Toshiki P.; Maeda, Minoru; Takashima, Hideyuki: Paired optical-fiber switch for optical data-bus systems (E), OL 4: 346
- Satov, Yu. A.** See Baranov, V. Yu., AO 15: 1373
- Sattler, J. P.** See Tobin, M. S., OL 4: 384; Worchesky, T. L., JOSA 67: 1440, OL 2: 70
- Saunders, M. J.**
  - ; Gardner, W. B.: Nondestructive interferometric measurement of the delta and alpha of clad optical fibers (ET), AO 16: 688
  - Torsion effects on fractured fiber ends (E) (L), AO 18: 1480
- Saunders, Robert D.** See Kostkowski, Henry J., JOSA 69: 1401
- ; Ott, William R.: Spectral irradiance measurements: effect of UV-produced fluorescence in integrating spheres (E) (L), AO 15: 827
- ; Ott, William R.; Bridges, J. M.: Spectral irradiance standard for the ultraviolet (A), JOSA 66: 1097
- ; Ott, William R.; Bridges, J. M.: Spectral irradiance standard for the ultraviolet: the deuterium lamp (E), AO 17: 593
- Saunders, Vernon I.**
  - Absorption and vacuum photolysis of silver halides (TE), JOSA 67: 830
  - Spectral absorption of AgCl (E) (L), JOSA 69: 631
- Saunier, P.** See Tsai, C. S., JOSA 66: 289
- Savage, J. A.** See Pitt, A. N., JOSA 67: 255
- ; Webber, P. J.; Pitt, A. N.: Infrared optical glasses for applications in 8–12- $\mu$ m thermal imaging systems (E), AO 16: 2938
- Savedoff, M. P.** See Pipher, J. L., AO 16: 233
- Saveliev, B. A.** See Borovoy, A. G., AO 14: 2731
- Savoie, D.** See Prospero, J. M., JOSA 67: 256
- Savoie, R. E.** See Kelly, D. H., JOSA 68: 1481
- Savoy, Robert L.** See McCann, John J., JOSA 69: 1452
- ; McCann, John J.: Visibility of low-spatial-frequency sine-wave targets: dependence on number of cycles (E), JOSA 65: 343
- Sawa, Shinnosuke**
  - Light beam propagation along helical bands of parabolic index optical fibers (T), AO 15: 2792
- Sawatari, T.**
  - Real-time noncontacting distance measurement using optical triangulation (E), AO 15: 2821
- Sawchuk, Alexander A.** See Armand, A., JOSA 68: 1361, JOSA 68: 1361; Bescos, J., JOSA 67: 1407; Dashiell, Stephen R., JOSA 65: 1177, JOSA 66: 170, AO 16: 1009, AO 16: 1936, AO 16: 2279; Frantz, Lee M., JOSA 68: 1414, AO 18: 3301; Hsueh, C. K., AO 17: 3874; Lo, C. M., JOSA 69: 1441; Naderi, Firouz, JOSA 65: 1202, JOSA 66: 167, AO 17: 1228, AO 17: 2883; Peyrovian, M. J., JOSA 66: 167, AO 16: 3147, AO 17: 660
- Artificial stereo (ET), AO 17: 3869
- ; Andrews, Harry C.: Artificial stereo images (A), JOSA 66: 1111
- Point-spread functions and image restoration with astigmatism and curvature of field (A), JOSA 64: 560
- ; Peyrovian, M. J.: Restoration of astigmatism and curvature of field (TE), JOSA 65: 712
- Space-variant image restoration by coordinate transformations (TE), JOSA 64: 138
- Saxena, A. K.**
  - Quantitative test for concave aspheric surfaces using a Babinet compensator (ET), AO 18: 2897
- Saxman, A. C.** See Reichelt, W. H., JOSA 68: 543
- Sayer, Richard J.**
  - ; Prince, R. H.; Duley, W. W.: Low-energy electron-stimulated luminescence of N atoms in solid N<sub>2</sub> (A), JOSA 67: 1418
- Saylor, Charles Proffer**
  - Refractometry of fluids in microscopic tubes (E), JOSA 67: 1364
  - Refractometry of fluids in microscopic tubes (TE), AO 18: 802
  - Refractometry of fluids in microscopic tubes (errata), AO 18: 4066
- Saylor, T. K.** See Gardner, R. K., JOSA 68: 830
- Sayre, D.** See Spiller, Eberhard, JOSA 66: 78
- Scaddan, R. J.** See Beddoes, D. R., JOSA 66: 1247; Beddoes, R., JOSA 66: 181
- ; Walker, J. G.: Statistics of stellar speckle patterns (E), AO 17: 3779
- Scalabrin, Artemio.** See Inguscio, Massimo, OL 4: 9
- ; Evenson, Kenneth M.: Additional cw FIR laser lines from optically pumped CH<sub>2</sub>F<sub>2</sub> (E), OL 4: 277
- Scalise, Stanley J.** See Barnes, Norman P., AO 17: 1537
- Scarabin, Francoise.** See Kretz, Francis, JOSA 69: 1635
- Scarl, Donald**
  - Coherence and Quantum Optics. Edited by L. Mandel and E. Wolf (B), AO 13: 3A18
  - Quantum Mechanics. By C. Cohen-Tannoudji, B. Diu, and F. Laloe (B), AO 17: 3513
- Scarpato, M.** See Song, J. J., JOSA 69: 1476
- Sceats, Mark G.** See Stavola, Michael, AO 18: 4101
- ; Kanga, Francois: Pulsed sequenced coherent anti-Stokes Raman spectroscopy (A), JOSA 69: 1477
- Schacham, S. E.** See Marhic, M. E., AO 17: 3503
- ; Marhic, M. E.; Kot, C.; Epstein, M.: Coupling of rigid to flexible imaging multifibers (E), AO 17: 3818
- ; Marhic, M. E.; Epstein, M.: Efficient white laser illuminators for plastic optical fibers (E), AO 16: 1041
- ; Marhic, M. E.; Epstein, M.: Simultaneous oscillation of competing laser transitions (E), AO 17: 459
- Schacher, G.** See Davidson, K. L., JOSA 68: 539; Houlihan, T., JOSA 68: 539
- ; Houlihan, T.; Davidson, K. L.; Fairall, C. W.: Observations of the marine inversion with a shipboard acoustic sounder (A), JOSA 68: 2311
- Schaefer, A. Russell.** See Mohan, Kshitij, JOSA 64: 1405, AO 14: 1035; Zalewski, Edward F., JOSA 65: 1179
- Preliminary results from the NBS detector spectral transfer package program (A), JOSA 68: 1441
- Reflectance and external quantum efficiency change of a silicon photodiode after surface cleaning (E) (L), AO 18: 2531
- ; Geist, Jon: Spatial uniformity of quantum efficiency of a silicon photovoltaic detector (E), AO 18: 1933
- Ultraviolet effect on the responsivity of silicon photodiodes (A), JOSA 66: 1080
- Ultraviolet enhanced responsivity of silicon photodiodes: an investigation (ET), AO 16: 1539
- Schaefer, Fritz P.** See Saikan, Seishiro, AO 18: 193
- ; Bor, Zs.; Luettke, W.; Liphardt, B.: Bifluorophoric laser dyes with intramolecular energy transfer (A), JOSA 68: 1644
- Schaefer, G.** See Boscher, J., AO 17: 3347
- Schaefer, John C.**
  - ; Chabay, Ilan: Generation of enhanced coherent anti-Stokes Raman spectroscopy signals in liquid-filled waveguides (E), OL 4: 227
- Schaeffer, R. C.**
  - Silicon photodiode as a detector in the rocket-borne photometry of the near infrared airglow (E), AO 15: 2902
- Schaeffer, W. H.** See Minott, Peter O., JOSA 64: 540
- Schaeffgen, H. W.** See Buchheim, R. K., AO 17: 165
- Schanda, J.** See Eppeldauer, G., AO 16: 255
- Schappert, G. T.**
  - ; Singer, Sidney; Ladish, J. S.; Montgomery, M. D.: Comparison of theory and experiment on the performance of the Los Alamos scientific laboratory eight-beam 10 kJ CO<sub>2</sub> laser (A), JOSA 68: 668
- Scharlack, R. S.**
  - All-dielectric compound parabolic concentrator (T) (L), AO 16: 2601
  - All-dielectric compound parabolic concentrator (L) (errata), AO 17: 1482
- Schau, H. C.**
  - Measurement of capillary wave slopes on the ocean (E) (L), AO 17: 15
- Schawlow, Arthur L.** See Carlson, N. W., JOSA 68: 1412; Fairbank, W. M., Jr., JOSA 65: 199; Goldsmith, J. E. M., OL 4: 230, AO 18: 1983; Kowalski, F. V., OL 2: 112, JOSA 66: 965, JOSA 68: 1611
- High-resolution laser spectroscopy (A), JOSA 68: 623
- Lasers, light, and matter (A), JOSA 66: 1099
- Lasers, light, and matter (ET), JOSA 67: 140
- Laser Spectroscopy III. Edited by J. L. Hall and J. L. Carlsten (B), JOSA 68: 273
- Schechter, Gail**
  - ; Hammer, Guy; Cantor, Fredric: Visual evoked responses to colored light stimuli (A), JOSA 65: 1205
- Scheggi, A. M.** See Brenci, M., AO 16: 3083, AO 16: 3084; Checcacci, P. F., OL 2: 25, AO 13: 1993, JOSA 66: 494, JOSA 69: 1255
- ; Checcacci, P. F.; Falciai, R.: Dispersion characteristics in quasi-step and graded-index slab waveguides by ray-tracing technique (T), JOSA 65: 1022
- ; Checcacci, P. F.; Falciai, R.: Modes and modes degeneracy in 90° and in quasi-90° roof open resonators (T), JOSA 65: 1050
- Scheiner, Paul.** See Kerker, Milton, JOSA 68: 135
- Scheiterer, Eduard.** See Leeb, Walter R., AO 18: 1293
- Schelkens, R.**
  - Coherence-length adapted hologram-interferometer (E), AO 16: 225
- Schell, A. J.**
  - Laser studies of internal conical refraction (A), JOSA 68: 1379
  - ; Bloembergen, N.: Laser studies of internal conical diffraction. I. Quantitative comparison of experimental and theoretical conical intensity distribution in aragonite (TE), JOSA 68: 1093
  - ; Bloembergen, N.: Laser studies of internal conical diffraction. II. Intensity patterns in an optically active crystal,  $\alpha$ -iodic acid (TE), JOSA 68: 1098
- Schell, J. A.** See Blanchard, A. J., JOSA 66: 386, JOSA 66: 386
- Schelonka, Edward P.**
  - Computer-controlled ground electro-optical systems for deep-space operations (A), JOSA 66: 380



- Schenck, Peter K.** See King, David S., AO 16: 2617
- ; Smyth, Kermit C.: Opto-galvanic spectroscopy of atomic neutrals and ions in discharges (A), JOSA 68: 626
- Scheper, R.** See Langlet, A., AO 16: 1841
- Scherer, J. R.**
- ; Kint, S.: Inherent obstacles in determining the structure of water from vibrational spectroscopic data (A), JOSA 68: 1448
- Removal of  $I_2$  absorption lines from 514-nm excited Raman spectra (E), AO 17: 1621
- Scherer, Wolfgang**
- Laser Systems in Flow Measurement. By Tariq S. Durrani and Clive A. Greated (B), AO 17: 1848
- Schieder, R.** See Brinkmann, U., JOSA 68: 1624
- Schierer, J. Phil, Jr.** See Pasachoff, Jay M., AO 15: 2884
- Schieve, W. C.** See Gragg, R. F., JOSA 68: 1636
- Schiff, E. A.** See Trotter, D. M., Jr., AO 17: 3529
- Schiffner, Gerhard.** See Leeb, Walter R., AO 18: 1293
- ; Leeb, Walter R.; Krammer, Hermann; Wittmann, Julius: Reciprocity of birefringent single-mode fibers for optical gyros (T) (L), AO 18: 2096
- Schiller, Norman.** See Bates, Harry E., AO 18: 947
- Schiller, Peter H.**
- Function of the monkey superior colliculus and its sensory inputs (A), JOSA 66: 1086
- Schimitschek, E. J.**
- ; Celto, J. E.: Direct discharge pumping of  $HgCl_2$  and  $HgBr_2$  dissociation lasers (A), JOSA 68: 653
- ; Celto, J. E.: Mercuric bromide dissociation laser in an electric discharge (E), OL 2: 64
- Schindler, R. A.** See Breckinridge, James B., JOSA 67: 1419, JOSA 68: 1390
- Schinke, D. P.** See Brackett, C. A., JOSA 66: 391
- Schipper, J. F.** See Harney, R. C., JOSA 66: 390
- Schissler, L. R.** See Soref, Richard A., AO 14: 2559
- Schlesinger, E. R.** See Yoder, P. R., Jr., AO 14: 1890
- Schlesinger, Z.**
- ; Sievers, A. J.; Warner, R. T.: Surface-wave interferometer for the infrared region (A), JOSA 69: 1434
- Schleusener, Stuart A.** See White, Kenneth O., AO 14: 16
- ; Lindberg, James D.; White, Kenneth O.: Differential spectrophotometry measurements of the absorption of laser energy by atmospheric dust (E) (L), AO 14: 2564
- ; Johnson, Ronald L.; White, Kenneth O.; Watkins, Wendell R.: Solid-state laser wavelength identification using a reference absorber (E) (L), AO 16: 2615
- ; Lindberg, James D.; White, Kenneth O.: Spectrophotometry measurements of infrared laser energy absorption by atmospheric dust (A), JOSA 66: 1088
- ; Lindberg, James D.; White, Kenneth O.; Johnson, Ronald L.: Spectrophotometry measurements of infrared laser energy absorption by atmospheric dust (E), AO 15: 2546
- Schlitt, Leland G.** See Monsler, Michael J., JOSA 68: 546
- Schlom, Leslie.** See King, Marvin, AO 14: 1673
- Schlossberg, H.** See Hordvik, Audun, JOSA 65: 1165, AO 16: 101
- Schmahl, G.** See Hunter, W. R., JOSA 66: 1136; Niemann, B., AO 15: 1883; Speer, R. J., AO 13: 1258
- Schmidt, W.** See Fub, W., JOSA 68: 710
- Schmidt, A. C., Jr.**
- ; Courtney-Pratt, J. S.; Ross, E. A.: Woven fiber optics, AO 14: 280
- Schmidt, F. A.** See Lunde, B. K., AO 15: 2625
- Schmidt, H.**
- ; Rueckle, B.: Beam deviation method as a diagnostic tool for the plasma focus (ET), AO 17: 1275
- ; Salzmann, H.; Strohwal, H.: Interferometry using subnanosecond pulses from TEA nitrogen lasers (E), AO 14: 2250
- Schmidt, J.** See Hill, B., AO 14: 2607
- Schmidt, K. P.** See Hill, B., AO 14: 2607
- Schmidt, L. B.** See Franzen, Douglas L., AO 15: 3115; West, E. D., JOSA 65: 573
- Schmidt, R. V.** See Alferness, Rod C., JOSA 67: 1392, AO 18: 4012; Haus, H. A., AO 15: 774; Kogelnik, H., JOSA 66: 289; Pearsall, T. P., JOSA 66: 290
- ; Cross, P. S.: Efficient optical waveguide switch/amplitude modulator (E), OL 2: 45
- Schmidt, S. C.**
- ; Goldman, A.; Bonomo, F. S.; Murcay, D. G.; Amme, R. C.: Quantitative studies of  $HNO_3$  vapor absorption in 1700–2636-Å wavelength region (ET), AO 13: 1202
- Schmidt, W.** See Rabinowitz, P., AO 15: 2005; Wilke, V., JOSA 68: 1626
- Schmidtke, G.** See Hsieh, K. C., AO 18: 3732; Seidl, P., AO 16: 578
- Infrared-XUV telescope for multipurpose applications (T), AO 16: 244
- ; Knothe, M.; Heidinger, F.: Magnetic electron multipliers: efficiency changes (E), AO 14: 1645
- Schmidt-Weinmar, H. G.** See Baltes, H. P., JOSA 67: 1437
- ; Lam, D. K.; Wouk, A.: Computation of the 3-D distribution of sources of optical scattering from complex-amplitude far-field data (A), JOSA 65: 1188
- ; Steinle, B.; Baltes, H. P.: Exponential-plane-wave representation of scalar fields in a half-space (A), JOSA 67: 1437
- Holographic recording of information concerning radiative wave fields (A), JOSA 65: 1219
- Information transmission by nonhomogeneous plane waves (A), JOSA 64: 1398
- Optical-wave field determined over a hemispherical boundary surface (T), JOSA 65: 999
- Optical-wave near field specified from far-field data (T), JOSA 65: 1059
- Source distribution of multipole fields from far-field data (A), JOSA 65: 1225
- Schmieder, Robert W.**
- Striated filamentary sparks produced by a  $CO_2$  TEA laser (E), OL 4: 369
- Schmitt, F. M.** See Lee, T. C., AO 17: 2802
- Schmitt, F. J. M.**
- Treatment of metamerism in colorimetry (T), JOSA 66: 601
- Schmoys, J.** See Hessel, A., JOSA 65: 380
- Schmutter, B.** See Politch, Jacob, AO 13: 140
- Schmutz, L. E.**
- Adaptive Optics and Short Wavelength Sources. Edited by Stephen F. Jacobs, Murray Sargent III, and Marlan O. Scully (B), AO 18: 1473
- Schnatterly, S. E.** See Church, E. L., AO 13: 1274
- Schneegenburger, R. G.** See Nolen, R. L., Jr., JOSA 68: 544
- Schneider, H.**
- ; Harms, H.; Papp, A.; Aulich, H. A.: Low-birefringence single-mode optical fibers: preparation and polarization characteristics (E) (L), AO 17: 3035
- Schneider, Irwin**
- ; Marrone, Michael J.: Continuum-wave action of  $(F_2^+)$  in  $nA$  centers in sodium-doped KCl crystals (E), OL 4: 390
- ; Gingerich, Michael E.: Diffraction by M centers in KCl (ET), AO 15: 2428
- Schneider, M. V.** See Cohen, Leonard G., AO 13: 89
- Schneiderman, Arthur M.** See Karo, Douglas P., JOSA 66: 182, JOSA 66: 1065, JOSA 67: 1390, AO 18: 828, JOSA 66: 1252, JOSA 67: 1277, JOSA 67: 1583, JOSA 68: 480; Miller, M. G., JOSA 65: 779, JOSA 66: 79
- ; Karo, Douglas P.: Atmospheric imaging constraints measured with speckle interferometry (A), JOSA 67: 1390
- ; Karo, Douglas P.: Imaging in the presence of random wave aberrations (T), JOSA 69: 717
- ; Kellen, P. F.; Miller, M. G.: Laboratory-simulated speckle interferometry (E), JOSA 65: 1287
- ; Karo, Douglas P.: Measurement of  $r_0$  with speckle interferometry (TE), JOSA 68: 348
- ; Karo, Douglas P.: Nonisoplanatic effects in speckle interferometry (A), JOSA 66: 1077
- ; Karo, Douglas P.: Speckle interferometry measurements of atmospheric nonisoplanaticity using double stars (E), JOSA 68: 338
- Schnell, Walter**
- ; Fischer, Gaston: Carbon dioxide laser absorption coefficients of various air pollutants (E) (L), AO 14: 2058
- ; Fischer, Gaston: Spectrophotometry measurements of isotopes of water vapor and nitric oxide and of phosgene at selected wavelengths in the  $CO$  and  $CO_2$  laser region (E), OL 2: 67
- Schnitzler, Alvin D.**
- Analytical description of spatial filtering by the retina-brain system (A), JOSA 64: 1400
- Theory of spatial-frequency filtering by the human visual system. I. Performance limited by quantum noise (T), JOSA 66: 608
- Theory of spatial-frequency filtering by the human visual system. II. Performance limited by video noise (T), JOSA 66: 617
- Schnopper, H. W.**
- ; Van Speybroeck, Leon P.; Delvaile, J. P.; Epstein, A.; Kaellne, E.; Bachrach, R. Z.; Dijkstra, J.; Lantward, L.: Diffraction grating transmission efficiencies for XUV and soft x rays (E), AO 16: 1088
- Schnur, J. M.** See Faust, W. L., JOSA 68: 639
- Schnur, Joel M.**
- Advances in Infrared and Raman Spectroscopy, Volume 3. Edited by R. J. H. Clark and R. E. Hester (B), AO 17: 159
- Applications of Liquid Crystals. By G. Meier, E. Sackman and J. G. Grabmaier (B), AO 16: 268
- Liquid Crystals and Plastic Crystals. Volume 1: Preparation, Constitution, and Applications; Volume 2: Physicochemical Properties and Methods of Investigation. Edited by G. W. Gray and P. A. Winsor (B), AO 14: 2801
- Point Defects in Crystals. By R. K. Watts (B), AO 16: 1775
- Schoenfeld, W. N.** See Lanson, R. N., JOSA 64: 1386
- Schofield, Donald.** See Chase, Stillman C., Jr., AO 17: 1243, AO 17: 2132
- Schofield, J. T.** See Taylor, F. W., AO 18: 3893
- Scholl, Marija S.**
- Incoherent imaging of self-radiating objects by systems with a large F number (A), JOSA 69: 1400
- Scholl, Pamela S.** See Ross, Charles B., JOSA 66: 36; Wood, David R., JOSA 64: 1159
- Scholz, Louis A.**
- Next fiber optic breakthrough? (A), JOSA 67: 1371
- Schonhorn, H.** See Kurkjian, C. R., JOSA 67: 706; Vazirani, H. N., JOSA 67: 706; Wang, T. T., JOSA 67: 706
- Schooley, Larry C.** See Nahrstedt, David A., JOSA 69: 910
- Schoon, Cecilia M.** See Bowen, Richard W., JOSA 68: 1438
- Schor, Clifton.** See Green, Marc A., JOSA 69: 1445
- Schott, G. L.**
- Optical methods in energy conversion, SPIE seminar-in-depth, Rochester, 23–25 Jun 1975 (M), AO 14: 2784
- Schrage, D.** See Livingston, William C., AO 15: 33
- Schreiber, D.** See Jacobs, J. T., JOSA 66: 381
- Schreiber, Paul W.** See Hunter, Allen M., II, AO 14: 25, AO 14: 634; Roh, Won B., AO 17: 1418; Switzer, Gary L., AO 18: 2343
- Schreiber, William F.**
- Laser recording and information handling, SPIE 18th Annual Technical Meeting, San Diego, 19–23 Aug 1974 (M), AO 13: 2456
- Laser scanning for the graphic arts (A), JOSA 69: 1480
- Schrenk, W. G.**
- Atomic Absorption and Fluorescence Spectroscopy. By G. F. Kirkbright and M. Sargent (B), JOSA 65: 1157
- Schreurs, Jan W. H.**
- Glass: Structure by Spectroscopy. By J. Wong and C. A. Angell (B), JOSA 67: 1133
- Schroeder, C. M.** See Miller, Calvin M., JOSA 66: 391
- Accurate silicon spacer chips for an optical fiber cable connector (A), JOSA 67: 708
- Schroeder, Daniel J.**
- All-reflecting Baker-Schmidt flat-field telescopes (T), AO 17: 141
- Schroeder, George**
- ; Lee, Gary: Noise spectrum caused by pointing error (T) (L), AO 15: 604
- Schroeder, H.** See Reitmayr, F., AO 14: 716
- Schroeder, J. B.** See Goldstein, L. F., AO 14: 2242; Slattery, J. E., AO 14: 2234
- Schruben, J. S.** See Brandt, Gerald B., JOSA 68: 1372; Gottlieb, Milton, JOSA 68: 1372
- Analysis of rotationally symmetric reflectors for illuminating systems (T), JOSA 64: 55
- Schubert, D. C.** See Betts, Gary E., AO 17: 2346
- Schuenemann, K.**
- European microwave conference, Hamburg, 1–4 Sep 1975 (M), AO 15: 4



- Schuerman, Donald W.** See Giovane, Frank, AO 16: 993; Weinberg, J. L., AO 15: 2620
- , Beeson, David E.; Giovane, Frank: Coronagraphic technique to infer the nature of the Skylab particulate environment (E), AO 16: 1591
- Schuler, R. H.**  
Advances in Radiation Research, Volume 2: Physics and Chemistry. Edited by J. F. Duplan and A. Chapiro (B), AO 14: 1040
- Schulman, J. H.**  
Dynamic nature of relevance: some views on science management in the U.K. (L), AO 14: A173
- Schultz, M. J.** See Yablonovitch, Eli, JOSA 68: 638
- Schultz, P. A.**  
—, Lee, Y. T.; Shen, Y. R.; Sudboe, Aa. S.: Multiphoton dissociation of dimers by infrared laser irradiation (A), JOSA 68: 638
- Schultz, Peter C.**  
Progress in optical waveguide process and materials (ER), AO 18: 3684
- Schulz, A.** See Bridges, J. M., AO 16: 1788; Pitz, E., AO 17: 730
- Schulz, Guenter**  
Energetic interaction between two light sources, AO 15: A135  
Holographic storage of 3-D images in a 2-D photoplate (N), AO 16: 274  
Optical Surfaces: Aspherical Optical Systems, X-Ray Optics, Reflecting Microscopes, Reflectors, Measurements. By Bohumil Jurek (B), AO 16: 2337
- Schulz, P. A.** See Sudboe, Aa. S., OL 4: 219
- Schumacher, R. J.** See Crockett, W. R., AO 16: 1111
- , Hunter, W. R.: Thin aluminum filters for use on the Apollo Telescope Mount XUV spectrographs (E), AO 16: 904
- Schuman, R.** See Pucilowski, J., AO 13: 2248
- Schumer, D.** See Pearce, L. G., JOSA 65: 1165
- , Pearce, L. G.; Das, P.: Influence of light polarization on performance of  $\text{LiNbO}_3$  surface-wave acousto-optic devices (A), JOSA 65: 1165
- Schumer, Robert A.**  
—, Ganz, Leo: Disparity averaging in random dot stereopsis (A), JOSA 69: 1479
- Schurath, U.** See Becker, K. H., AO 14: 310
- Schurr, J. Michael.** See Bruckner, Adam F., AO 18: 1876; Thomas, John C., OL 4: 222
- Schurr, V.** See Kao, C. K., JOSA 67: 706
- Schuster, Burton G.** See DeLuigi, John J., AO 14: 1917; Kyle, Thomas G., AO 17: 2659
- Schutt, J. B.**  
—, Arens, J. F.; Shai, C. M.; Stromberg, E.: Highly reflecting stable white paint for the detection of ultraviolet and visible radiations (E), AO 13: 2218
- Schuurmans, M. F. H.**  
—, Polder, D.; Vrehen, G. H. F.: Superfluorescence: QM derivation of Maxwell-Bloch description with fluctuating field source (A), JOSA 68: 699
- Schwartz, Arnold A.** See Green, William B., AO 14: 105
- , Soha, J. M.: Variable threshold zonal filtering (E), AO 16: 1779
- Schwartz, Daniel S.** See Horan, John J., AO 13: 1230, AO 14: 2053
- Schwartz, Eric A.**  
Comparison of the voltage noise and the response to one photon in the rods of the turtle retina (A), JOSA 69: 1464
- Schwartz, Eric L.**  
Spatial mapping in the visual system (A), JOSA 68: 1371
- Schwartz, M. I.** See Cook, J. S., JOSA 66: 391
- Schwartz, Pt.** See Lynch, David K., JOSA 69: 1081
- Schwartz, S. E.** See Senum, G. I., AO 14: 1143
- Schwehm, Gerhard**  
Optical properties of core-mantle particles (scattering, polarization, efficiency factors) (A), JOSA 67: 257
- Schweitzer, Walter G., Jr.** See Layer, Howard P., JOSA 64: 1387, AO 15: 734
- Schwemin, A. J.** See Buffington, Andrew, JOSA 67: 298
- Schwemmer, Geary K.**  
—, Wilkerson, Thomas D.: Lidar temperature profiling: performance simulations of Mason's method (T) (L), AO 18: 3539
- Schwenker, Kenneth E.**  
Interferometric data evaluation for large optics (A), JOSA 69: 1418
- Schwezman, H.** See Deacon, D. A. G., JOSA 67: 1369
- Schwider, J.**  
Superposition fringes as a measuring tool in optical testing (TE), AO 18: 2364
- Schwiesow, R. L.** See Post, Madison J., JOSA 67: 259
- , Calfee, R. F.: Atmospheric refractive effects on coherent lidar performance at  $10.6 \mu\text{m}$  (E), AO 18: 3911
- , Cupp, R. E.; Post, Madison J.; Calfee, R. F.: Coherent differential Doppler measurements of transverse velocity at a remote point (ET), AO 16: 1145
- , Cupp, R. E.: Remote Doppler velocity measurements of atmospheric dust devil vortices (E) (L), AO 15: 1
- Schwob, J. L.** See Klapisch, M., JOSA 67: 148
- Sciammarella, Cesar A.**  
—, Gilbert, John A.: Holographic interferometry applied to the measurement of displacements of the interior points of transparent bodies (TE), AO 15: 2176
- Scibor-Rylski, M. T. V.**  
Advances in electro-optical TIR diffraction modulator/deflectors as industrial devices (A), JOSA 66: 385
- Scifres, Donald R.** See Burnham, Robert D., JOSA 65: 225; Streifer, William, JOSA 64: 1365, JOSA 65: 1221, JOSA 66: 1115, JOSA 67: 1424, JOSA 68: 1434, JOSA 69: 1482, AO 18: 3547, JOSA 66: 1359
- , Streifer, William; Burnham, Robert D.: Beam scanning and wavelength modulation of diode lasers (A), JOSA 68: 1434
- , Burnham, Robert D.; Streifer, William: Distributed-feedback buried-heterostructure diode laser (A), JOSA 66: 1114
- , Burnham, Robert D.; Streifer, William: Gratings as distributed reflectors and couplers (A), JOSA 68: 1364
- , Burnham, Robert D.; Streifer, William: Gratings-coupled GaAs-GaAlAs ring lasers (A), JOSA 66: 291
- , Streifer, William; Burnham, Robert D.: Integrated prism coupled room temperature double heterostructure GaAs:GaAlAs diode laser (A), JOSA 66: 1115
- Sclar, N.**  
Infrared Detectors: Papers Presented at a Meeting of the U.S. Specialty Group on Infrared Detectors. Edited by T. S. Moss (B), AO 16: 2025
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- , Maddox, R. L.; Florence, R. A.: Silicon monolithic infrared detector array (ET), AO 16: 1525
- Scoles, G.** See Gough, T. E., JOSA 67: 1440, JOSA 68: 625, JOSA 68: 694
- Scott, G. David.** See Allen, E. A., JOSA 64: 1190; Kovacs, G. J., JOSA 67: 1430, AO 17: 3314, AO 17: 3627; Sato, T., AO 18: 3119, JOSA 64: 100; Truong, V. V., JOSA 66: 124, JOSA 67: 502, JOSA 68: 189
- Applied Solid State Science, Advances in Materials and Device Research, Volume 6. Edited by Raymond Wolfe (B), JOSA 68: 425
- Scott, Gary W.** See Cox, A. J., AO 17: 3706, AO 18: 532
- Scott, J. F.**  
Journal of Raman Spectroscopy (new journal). Edited by H. J. Bernstein and D. A. Long (B), AO 13: 974  
Light Scattering by Phonon-Polaritons. By R. B. Claus, L. Merten, and J. K. A. Brandmueller (B), JOSA 66: 294
- Scott, Marion L.**  
Analysis of phase retardation coatings (A), JOSA 69: 1437
- , Johnston, George T.: Calorimetric measurement of absorption vs temperature in a gold film (E) (L), AO 18: 2905
- Scott, Paul W.** See Hershel, Ronald S., JOSA 66: 861
- , Southwell, W. H.: Design of optics for irradiance redistribution of laser beams (A), JOSA 69: 1456
- Scott, Peter B.** See Sze, Robert C., JOSA 68: 704
- Scott, R. M.**  
Applications of adaptive optical techniques to figure control of large telescopes (A), JOSA 66: 391
- Scott, W. R.**  
—, Muldrew, L.; Graber, M. A.: Sensitive technique for measuring differences in reflectivity (E), AO 13: 1956
- Scotti, Ronald E.** See Shoemaker, Richard L., JOSA 68: 1388
- Scribner, E. J.** See Russell, Philip B., JOSA 68: 1358
- Scribner, Richard A.**  
Congressional science fellows: a bridge to better understanding and public policy (A), JOSA 68: 1410
- Scrivener, G. E.** See Burgess, J. W., AO 15: 1550
- Scudieri, F.** See Bertolotti, Mario, AO 15: 1842, AO 15: 2468, AO 18: 528
- Cylindrically aligned liquid crystals: an interferometric analysis (E), AO 18: 1455
- , Bertolotti, Mario: Irradiance statistics of light scattered by electrohydrodynamic fluctuations in MBBA (E), JOSA 64: 776
- , Bertolotti, Mario; Bartolino, R.: Light scattered by a liquid crystal: a new quasi-thermal source (E), AO 13: 181
- Sculley, M. J.** See Chew, Herman W., JOSA 68: 1686; Kerker, Milton, AO 17: 3030, JOSA 68: 1676, JOSA 69: 1049; McNulty, P. J., JOSA 68: 1452
- Scully, Marlan O.** See Anderson, Dana Z., AO 18: 941; Bessey, J. S., JOSA 66: 1072; Bosacchi, B., JOSA 68: 681; Cantrell, Cyrus D., AO 15: 1651; Chow, Weng W., JOSA 68: 1380; Grant, D. C., Jr., JOSA 66: 1133; Moore, Gerald T., JOSA 68: 628, JOSA 68: 1387; Nee, T. W., JOSA 68: 1435; Rogovin, D., JOSA 66: 1076
- , Louisell, William H.; Meystre, P.; Hopf, Frederic A.: Classical theory of a free-electron laser (A), JOSA 66: 1109
- , Anderson, D. K.; McCullen, J. D.; Seely, John F.: Experimental and theoretical studies of a short-wavelength charge exchange laser (A), JOSA 66: 1098
- , Sanders, Virgil E.; Sargent, Murray, III: Multioscillator approach to the problem of locking in two-mode ring-laser gyros (T), OL 3: 43
- Quantum Statistical Properties of Radiation. By W. H. Louisell (B), JOSA 65: 616
- , Leung, Chung-Yee; Elci, Ahmet; Hopf, Frederic A.: Role of carrier diffusion in the ultrafast transient response of the solid state germanium plasma (A), JOSA 66: 1083
- Statistical Properties of Scattered Light. By B. Crosignani, P. Di Porto, and M. Bertolotti (B), JOSA 66: 80
- Superradiance and laser lethargy in x-ray laser amplifiers (A), JOSA 65: 1206
- Seals, R. K., Jr.** See Allario, Frank, AO 14: 2229
- Searl, James E.** See Kaplan, Lewis D., AO 16: 322
- Seay, Thomas S.** See Lerner, Robert M., JOSA 68: 1384
- Seckold, J. A.**  
Optical polishing with titanium dioxide (E) (L), AO 15: 1693
- Sedmak, Giorgio.** See De Biase, Giuseppe A., AO 15: 1901, AO 17: 435
- See, Y. C.  
—, Guha, Shekhar; Falk, Joel: Limits to the noise equivalent power (NEP) of a cw intracavity upconverter (A), JOSA 69: 1476
- Seekamp, Lynne N.** See Roberts, Robert E., JOSA 68: 541
- Seelen, Werner v.** See Tuerke, Bernhard, AO 17: 2754
- Seeley, J. S.** See Evans, C. S., AO 15: 2736
- , Hunneman, R.; Whatley, A.: Infrared multilayer interference filter manufacture: suppressed longwave limit (E) (L), AO 18: 3368
- , Hunneman, R.; Whatley, A.: Infrared multilayer partial mirror effective from  $1.3 \mu\text{m}$  to  $16 \mu\text{m}$  (L), AO 18: 3370
- Seelig, W.** See Luthi, H. R., JOSA 66: 1098
- Seely, John F.** See Scully, Marlan O., JOSA 66: 1098
- Seery, B. D.** See Klein, Morris, JOSA 68: 1426; Viswanathan, V. K., JOSA 68: 1390, JOSA 69: 1454
- Seeser, James W.**  
Effect of dispersion on the reflection and transmission extrema from a monolayer (ET), AO 14: 640
- Segal, M.** See Politch, Jacob, OL 3: 33
- Segall, S. B.**  
Free-electron lasers for laser fusion (A), JOSA 68: 549
- Seger, Guenter.** See Bartholdi, Marty, OL 1: 223; Tuerke, Bernhard, AO 17: 2754
- Seguin, H. J. J.**  
—, McKen, D.; Tulip, J.: Build your own solar heat collector, AO 16: 77



- Seguin, M. K.** See Arsenault, Henri H., AO 13: 1013
- Sehgal, H. K.** See Sharma, N. C., JOSA 67: 254, AO 16: 2945
- Seib, D. H.** See Stoll, H. M., JOSA 66: 291, AO 13: 1981
- Seidl, P.**  
—; Schmidtke, G.; Acton, L. W.: Diffraction properties of hydrogen-phthalate-crystals in the 0.1-2-nm region (E), AO 16: 578
- Seidman, Joel B.** See Green, William B., AO 14: 105
- Seiler, D.** See Moore, B., JOSA 64: 1360
- Seilmeier, A.** See Kaiser, W., JOSA 68: 680
- Seitel, Steven C.** See Ricks, D. W., JOSA 67: 253  
High-performance laser (A), JOSA 66: 384  
—; Anderson, David K.: Two-component model of an atomic-beam light source (ET), JOSA 64: 884
- Seither, L.** See Nilsson, T. H., JOSA 65: 1185
- Seitz, J. R. M.** See Douglas-Hamilton, D. H., JOSA 64: 36
- Sejourné-Puech, B.** See Roy, A. M., JOSA 66: 291
- Seka, W.** See Bunkenburg, J., JOSA 68: 542; Soures, J. M., JOSA 68: 542; Zimmerman, J., JOSA 68: 542
- Sekizawa, T.**  
—; Aoki, F.; Nishida, M.; Murata, H.: Optical systems for electric power companies (A), JOSA 67: 709
- Seko, Atsuya**  
—; Sasamori, Akira: Fiber laser plate (E), AO 18: 2052  
—; Nishikata, Masanobu: Image emission platelet laser for optical information processing (E), AO 16: 1272
- Sekuler, Robert.** See Tynan, Paul, JOSA 64: 1251  
—; Ball, Karlene: Compensating for visibility losses from target uncertainty (A), JOSA 69: 1486  
—; Ball, Karlene: Direction-selective masking by filtered noise (A), JOSA 68: 1379  
—; Picciano, Lucinda: Spatial vision in healthy senescent humans (A), JOSA 69: 1478
- Selby, John E. A.** See Roberts, Robert E., AO 15: 2085
- Selden, A. C.**  
Laser mode locking with a glass filter (ET) (L), AO 13: 1555
- Self, Sidney A.** See Holve, Don, AO 18: 1632, AO 18: 1646
- Seligson, Joel**  
—; Baumeister, Philip W.: Buried diffraction gratings: a phenomenological theory (T), AO 18: 742
- Selinger, B. K.** See Saleh, Bahaa E. A., AO 16: 1408
- Sellers, Bach.** See Hanser, Frederick A., AO 17: 1649
- Selvarajan, A.** See DeBell, Arthur G., JOSA 68: 1397, AO 18: 3114  
—; Swedberg, J. L.; DeBell, Arthur G.; Wolfe, William L.: Cryogenic temperature IR refractive indices of cesium bromide and cesium iodide (E), AO 18: 3116  
—; Swedberg, J.; Wolfe, William L.; DeBell, Arthur G.: Cryogenic temperature infrared refractive indices of cesium bromide and cesium iodide (A), JOSA 68: 1366
- Selverstone, Peter**  
—; Grenda, E.: Large-scale laser display systems for commercial applications using path-controlled galvanometers (A), JOSA 66: 381
- Selzer, P. M.** See Egbert, W. C., AO 15: 1158; Quimby, R. S., AO 16: 2630; Yen, W. M., JOSA 65: 1210  
—; Yen, W. M.: Radiative spectral transfer in ruby (E), OL 1: 90
- Semmelroth, Carl C.** See Emerson, Phillip L., JOSA 65: 1101
- Semmlow, John L.**  
—; Tinor, Tom: Accommodative convergence response to off-foveal retinal images (E), JOSA 68: 1497  
—; Wetzel, Paul: Dynamic contributions of the components of binocular vergence (E), JOSA 69: 639
- Sen, P. N.**  
—; Sparks, M.: Unenhanced and enhanced Raman scattering (A), JOSA 68: 1448
- Sengupta, Uday K.**  
—; Gerlach, Ulrich H.; Collins, Stuart A., Jr.: Bistable optical spatial device using direct optical feedback (TE), OL 3: 199
- Senior, Thomas B. A.**  
—; Weil, Herschel: Electromagnetic scattering and absorption by thin walled dielectric cylinders with application to ice crystals (T), AO 16: 2979
- Senitzky, Benjamin**  
Narrowband ultraviolet vapor filter (ET), AO 14: 238
- Sentell, Ronald J.** See Crumbly, K. H., JOSA 67: 256  
—; Storey, Richard W., Jr.; Chang, James S. C.: Tethered balloon-based measurements of aerosol concentration and meteorological parameters (A), JOSA 67: 256
- Sentman, L. H.** See Zelazny, S. W., AO 15: 1164  
Chemical laser power spectral performance; a coupled fluid dynamic, kinetic, and physical optics model (T), AO 17: 2244  
Line suppression and single line performance of a cw HF chemical laser (T), AO 15: 744
- Senum, G. I.**  
—; Schwartz, S. E.: Integrating-sphere fluorescence cells: instrumental errors in fluorescence lifetimes and intensities (T), AO 14: 1143
- Sepp, G.** See Born, G. K., AO 14: 2857  
Earth laser beacon sensor for earth-oriented geosynchronous satellites (TR), AO 14: 1719
- Seppala, Lynn G.**  
Annular lens soft aperture for high power laser systems: comments (T) (L), AO 16: 1482  
Optical interpretation of the merit function in Grey's lens design program (T), AO 13: 671
- Sepucha, R. C.** See Breux, H., AO 18: 2638  
Nitrogen Rayleigh scattering at 10.6  $\mu\text{m}$  (E), JOSA 67: 108
- Sepulveda, Cesar**  
—; Palmer, James; Wolfe, William L.: Ray tracing in optical rods (A), JOSA 66: 1122
- Serafini, Philip E.** See Mattar, Farres P., JOSA 66: 1126
- Seraphin, Bernhard O.** See Donnadieu, A., JOSA 68: 292; Hahn, Robert E., JOSA 66: 1069
- Sergent-Rozey, Michele.** See Pesenti, Jacques, AO 13: 1158
- Serinko, R. J.** See Herman, R. M., JOSA 68: 1624
- Serkowski, K.** See Frecker, Jack E., AO 15: 605, AO 15: 1686
- Servoin, J. L.** See Gervais, F., JOSA 67: 255  
—; Gervais, F.: Analysis of infrared reflectivity in the presence of asymmetrical phonon lines (ET), AO 16: 2952
- Sesselmann, R.** See Ferrano, G., JOSA 69: 1435; Goetz, J., AO 18: 2754
- Sethna, Prochy P.** See Downing, Harry D., JOSA 67: 186; Pinkley, Lary W., JOSA 67: 494, JOSA 68: 186; Williams, Dudley, JOSA 66: 1065  
—; Downing, Harry D.; Pinkley, Lary W.; Williams, Dudley: Infrared band intensities in ammonium hydroxide and ammonium salts (E), JOSA 68: 429  
—; Pinkley, Lary W.; Williams, Dudley: Optical constants of cupric sulfate in the infrared (E), JOSA 67: 499  
—; Palmer, Kent F.; Williams, Dudley: Optical constants of D<sub>2</sub>O in the infrared (E), JOSA 68: 815
- Sethuraman, J.**  
—; Sirohi, R. S.: Dispersion relations in Fraunhofer diffraction (T) (L), JOSA 69: 907
- Setser, D.** See Fateley, W., JOSA 66: 1082
- Sette, Daniele.** See Bertolotti, Mario, AO 13: 1582, AO 15: 802, AO 17: 285; Daino, B., AO 16: 283; Galeotti, M., AO 16: 660
- Severin, P. J.**  
Calorimetric measurements of weakly absorbing materials: theory (T), AO 18: 1546
- Severyn, J.** See Greenwood, J. R., JOSA 68: 547
- Seward, T. P., III.** See Borrelli, N. F., JOSA 68: 1395, JOSA 69: 1514; Crow, John D., AO 14: 1100
- Sewell, Martha H.** See Smith, Howard M., JOSA 64: 1382, AO 15: 729
- Seya, M.** See Noda, H., JOSA 64: 1031, JOSA 64: 1037, JOSA 64: 1043, JOSA 65: 474, JOSA 65: 474
- Seykora, E. J.**  
Observations of eclipse shadow bands and related phenomena (E) (L), AO 18: 3538
- Seymour, R. J.** See Sam, C. L., JOSA 66: 386
- Shack, Roland V.** See Harvey, James E., JOSA 67: 254, AO 17: 3003; Marathay, Arwind S., JOSA 67: 1366  
Aberration limitations on optical array telescopes (A), JOSA 68: 1361
- Interferometric testing (A), JOSA 64: 1362**
- Shackelford, William L.** See Berg, Jacqueline O., AO 18: 2093
- Shafer, David R.**  
Anastigmatic two-mirror telescopes: some new types (T), AO 16: 1178  
Encircled energy for obscured aperture (A), JOSA 64: 1357  
30° f/1.0 flat field three mirror telescope (A), JOSA 68: 1373  
50° Field-of-view f/0.6 catadioptric system (A), JOSA 69: 1439  
20° Field-of-view strip field unobscured telescope with stray light rejection (A), JOSA 68: 1373  
Four-mirror unobscured anastigmatic telescope with all spherical surfaces (A), JOSA 67: 1395  
Four-mirror unobscured anastigmatic telescopes with all-spherical surfaces (T), AO 17: 1072  
Inexpensive anastigmatic telescope (A), JOSA 67: 1395  
Laser beam steerer-expander (T), AO 17: 3584  
New two-mirror anastigmatic telescope (A), JOSA 64: 1358  
New types of anastigmatic two-mirror telescopes (A), JOSA 66: 1114  
Well-baffled two-mirror corrector for a parabola (A), JOSA 66: 1113  
Well baffled two-mirror corrector for a parabola (T), AO 16: 1175  
Well-corrected two-element telescope with a flat image (A), JOSA 69: 1439  
Zoom null lens (T), AO 18: 3863
- Shafer, J. Howard**  
—; Young, Charles: Absolute integrated intensity for the 3.44- $\mu\text{m}$  NO<sub>2</sub> band (E), AO 15: 2551
- Shafer, Sally A.** See Mantz, Arlan W., JOSA 65: 1164, AO 15: 599
- Shaffer, G.** See Sweeney, Donald W., AO 15: 2959
- Shaffer, J. J.**  
—; Butler, J. D.: Optical polisher for toroidal mirrors (E) (L), AO 18: 3217
- Shagham, Richard N.** See Hopkins, George W., AO 16: 2602; Koliopoulos, Chris L., OL 3: 118  
—; Wyant, James C.: Heterodyne interferometer for measuring surface profiles from interferograms (A), JOSA 67: 1365  
—; Wyant, James C.: Optical frequency shifter for heterodyne interferometers using multiple rotating polarization retarders (T) (L), AO 17: 3034
- Shah, H. K.** See Kahn, W. K., JOSA 69: 1473
- Shah, H. S.** See Mehta, R. V., JOSA 64: 1398  
—; Mehta, R. V.; Desai, R. V.: Estimation of particle size distribution parameters with forward-scattering techniques (TE), AO 18: 4173
- Shah, P. L.** See Rabson, Thomas A., JOSA 64: 1394
- Shah, R. R.** See Rabson, Thomas A., JOSA 64: 1359, JOSA 64: 1394
- Shah, V.**  
—; Tamir, Theodor: Simplified grating model for the study of absorption anomalies (A), JOSA 69: 1473
- Shahin, I. S.** See Flach, R., AO 13: 2095
- Shai, C. M.** See Schutt, J. B., AO 13: 2218
- Shakher, Chandra**  
—; Sirohi, R. S.: Holomoir interferometry applied to NDT (ET) (L), AO 17: 3700
- Shalimoff, George V.**  
—; Conway, John G.: 3d<sup>2</sup>-3d4f transitions in V IV (E) (L), JOSA 68: 267  
—; Conway, John G.: 3d<sup>2</sup>-3d4f transitions in V IV (E) (errata), JOSA 68: 1292  
Emission Spectrochemical Analysis. By Tibor Toeroek, Jozsef Miksa, and Ernoe Gegus (B), JOSA 69: 1626
- Shamir, Joseph.** See Demner, Y., AO 17: 3738  
Cylindrical lens as an optical correlator (A), JOSA 69: 1451  
Optical parameters of partially transmitting thin films. 2: Experiment and further analysis of a novel method for their determination (ET), AO 15: 120
- Shams, Mohammad Kazem**  
—; Botez, Dan; Wang, Shyh: Preferential chemical etching of blazed gratings in (110)-oriented GaAs (E), OL 4: 96
- Shand, M. L.** See Hochheimer, H. D., JOSA 66: 1105
- Shank, C. V.** See Heritage, J. P., JOSA 67: 1425  
—; Auston, D. H.; Ippen, E. P.; Fork, R. L.: Investigation of ultrafast processes in semiconductors using subpicosecond optical techniques (A), JOSA 68: 681



- ; Auston, D. H.; Ippen, E. P.; Teachke, Omar: Picosecond time-resolved spectroscopy in semiconductors (A), JOSA 66: 1082
- Shankar, P. Mohana**
- ; Gupta, H. M.: Spatial filtering in speckle (T), OL 4: 99
- Shankland, R. S.**
- Handbook of Chemistry and Physics, 59th Edition, 1978-1979. Edited by R. C. Weast. (B), AO 18: 414
- Shanmugam, K. Sam.** See Dickey, Fred M., AO 16: 145
- Shannon, John.** See Hughes, William M., JOSA 64: 557, JOSA 64: 557
- Shannon, Robert R.** See Sagan, Stephen F., JOSA 66: 1130; Wagner, Richard E., AO 13: 1683
- Coherent Optical Engineering. Edited by F. T. Arecchi and V. Degiorgio (B), AO 17: 2472
- ; Kim, C.-J.: Design of an  $f/1.5$  focal corrector (A), JOSA 69: 1429
- ; Smith, W. Scott: Measurement of optical wave propagation on a vertical atmospheric path (A), JOSA 68: 1367
- ; Smith, W. Scott; Metheny, W. W.; Philbrick, R. B.; Cecon, C. R.: Measurement of propagation of a spherical wave on a vertical path (A), JOSA 68: 539
- ; Sanger, Gregory M.: Optics for the multiple-mirror telescope (A), JOSA 66: 1092
- Progress in Optics, Vol. 11. Edited by Emil Wolf (B), AO 13: 12A19
- Shao, G.** See Stark, Henry, AO 16: 1670
- Shao, Michael**
- ; Staelin, David H.: Long-baseline optical interferometer for astronomy (E), JOSA 67: 81
- Shapiro, Jeffrey H.** See Paik, W. H., AO 17: 899; Yuen, Horace P., OL 4: 334
- Diffraction-limited atmospheric imaging of extended objects (T), JOSA 66: 469
- ; Massa, Gerard P.: Focused beams, reciprocity, and heterodyne detection (A), JOSA 65: 1218
- Isoplanatic distance of the turbulent atmosphere (A), JOSA 64: 540
- Normal-mode approach to wave propagation in the turbulent atmosphere (T), AO 13: 2614
- Optical communication through atmospheric turbulence (A), JOSA 68: 1398
- Optimum adaptive imaging through atmospheric turbulence (T), AO 13: 2609
- Point-ahead limitation on reciprocity tracking (T), JOSA 65: 65
- Propagation-medium limitations on phase-compensated atmospheric imaging (T), JOSA 66: 460
- Seeing limit can resolve the isoplanatic patch (A), JOSA 65: 1213
- Signal processing for a signal with Poisson noise: comments (T) (L), AO 13: 2462
- Shapiro, Jerrold M.** See Green, Daniel G., JOSA 65: 119
- Shapiro, S. L.** See Campillo, A. J., JOSA 68: 691, JOSA 68: 692, OL 4: 325, OL 4: 357; Clark, J. H., JOSA 68: 1630
- Shapley, Robert M.** See Ratliff, Floyd, JOSA 68: 1427
- Nonlinear analysis of parallel visual pathways in the cat retina (A), JOSA 69: 1432
- ; So, Yuen Tat; Victor, Jonathan D.: Nonlinear systems analysis of retinal ganglion cells and visual evoked potentials in the cat (A), JOSA 68: 1427
- Share, S.** See Blake, K., AO 13: 1272
- Sharma, A. B.**
- ; Halme, S. J.: Frequency response of optical fibers using a combination time-frequency domain technique (E) (L), AO 18: 1877
- Sharma, Anurag.** See Thyagarajan, K., AO 17: 2416, AO 18: 607
- ; Goyal, I. C.: Tapered parabolic-index fiber waveguide (T) (L), AO 18: 1482
- Sharma, C. R.** See Nijhawan, O. P., AO 14: 509
- Sharma, K. D.**
- Design of a new five-element Cooke triplet derivative (T), AO 18: 3933
- Sharma, N. C.**
- ; Pandya, D. K.; Sehgal, H. K.; Chopra, K. L.: Structural and IR properties of  $Pb_{1-x}Hg_xS$  thin films (A), JOSA 67: 254
- ; Pandya, D. K.; Mukerjee, A. K.; Sehgal, H. K.; Chopra, K. L.: Structural and IR properties of  $Pb_{1-x}Hg_xS$  thin films (E), AO 18: 3945
- Sharma, Shiv K.** See Adams, David M., AO 16: 2572, AO 18: 894
- Sharmir, Joseph**
- Cylindrical lens systems described by operator algebra (TE), AO 18: 4195
- Sharpe, L. T.**
- ; Wysecki, Gunter: Proximity factor in color-difference evaluations (ET), JOSA 66: 40
- Sharples, F. P.** See Bruce, C. F., AO 14: 3082
- Sharpton, Francis A.** See Anderson, Richard J., JOSA 67: 1641
- Shatas, R. A.** See Mitra, S. S., AO 14: 3038
- Shaw, Glenn E.**
- Inversion of optical scattering and spectral extinction measurements to recover aerosol size spectra (T), AO 18: 988
- Sky brightness and polarization during the 1973 African eclipse (E), AO 14: 388
- Sky brightness during the 26 February 1979 eclipse (TE) (L), AO 18: 2362
- Sky radiance during a total solar eclipse: a theoretical model (T), AO 17: 272
- Shaw, John B.** See Elliott, Richard A., JOSA 68: 1450, OL 4: 49, AO 18: 1025
- Shaw, John H.** See Chang, Y. S., JOSA 67: 1441, AO 16: 2116; Lin, Chun L., JOSA 67: 1442, AO 17: 993; Nordstrom, R. J., AO 16: 1477
- Thin film infrared channel spectra (E) (L), AO 13: 2465
- Shay, T.**
- ; Hemmati, H.; Velazco, J. E.; Lewittes, M.; Collins, George J.: Reactive quenching of  $Hg(^3P_1)$  atoms by chlorine and bromine containing molecules (A), JOSA 68: 1356
- Shayler, P. J.**
- Laser beam distribution in the focal region (E) (L), AO 17: 2673
- Shcherbakov, E. A.** See Zolotov, E. M., JOSA 66: 288
- She, C. Y.** See Bartlett, K. G., OL 1: 175, AO 15: 1980, JOSA 69: 455; Fairbank, W. M., Jr., JOSA 68: 657; Ho, C. W., AO 17: 631; Reintjes, J. F., JOSA 67: 251, JOSA 67: 1368, JOSA 68: 703
- ; Wall, L. S.: Analytical evaluation of techniques for use of a laser Doppler velocimeter to measure flow and turbulence (T), JOSA 65: 69
- ; Fairbank, W. M., Jr.; Billman, Kenneth W.: Measuring the velocity of individual atoms in real time (T), OL 2: 30
- ; Chan, P. W.: Real-time particle sizing: increasing the capability of the instantaneous scattered intensity-ratio technique (T) (L), AO 14: 1767
- Sheahan, Thomas P.**
- Chirped Fourier spectroscopy. 1: Dynamic range improvement and phase correction (E), AO 13: 2907
- Chirped Fourier spectroscopy. 2: Theory of resolution and contrast (TE), AO 14: 1004
- Effect of carbon dioxide on accuracy of infrared scanning systems (A), JOSA 69: 1401
- ; McCanney, Thomas O.: Phase discrepancies in asymmetric interferograms and application to nonlinearities in Fourier spectroscopy (T), JOSA 65: 825
- Use of chirping to compensate for nonlinearities in Fourier spectroscopy (TE), JOSA 64: 485
- Shealy, David L.** See Burkhard, Donald G., JOSA 64: 1357, JOSA 66: 1070, JOSA 66: 1096, JOSA 66: 1114, JOSA 66: 1122, JOSA 67: 1395, JOSA 68: 1452, AO 14: 1279, AO 17: 2431; Rosenblum, William M., JOSA 67: 1427; Strobel, George L., JOSA 66: 1122, JOSA 69: 1429
- Analytical illuminance and caustic surface calculations in geometrical optics (T), AO 15: 2588
- ; Rosenblum, William M.: Caustic and energy-flux density for a model of the human eye (A), JOSA 64: 1357
- Caustic surface and the Coddington equations (T) (L), JOSA 66: 76
- ; Burkhard, Donald G.: Caustic surface merit functions in optical design (A), JOSA 66: 1122
- Caustic surface of an optical system (A), JOSA 65: 1176
- Shearer, J. W.** See Phipps, Claude R., Jr., JOSA 64: 565, AO 14: 985
- Sheem, Sang K.**
- ; Cole, J. H.: Acoustic sensitivity of single-mode optical power dividers (E), OL 4: 322
- ; Whinnery, John R.: Applications of curved-surface waveguide in integrated optics (A), JOSA 66: 288
- Drawn pitch threads as masks for microfabrication (E) (L), AO 13: 1757
- ; Burns, W. K.; Milton, A. F.: Leaky-mode propagation in Ti-diffused  $LiNbO_3$  and  $LiTaO_3$  waveguides (ET), OL 3: 76
- ; Tsai, C. S.: Light beam switching and modulation using a built-in dielectric channel in  $LiNbO_3$  planar waveguide (ET), AO 17: 892
- ; Giallorenzi, Thomas G.: Single-mode fiber-optical power divider: encapsulated etching technique (E), OL 4: 29
- Three-dimensional curved surface for integrated optics (TE), AO 14: 1854
- Total internal reflection integrated-optics switch: a theoretical evaluation (T), AO 17: 3679
- ; Giallorenzi, Thomas G.: Two-dimensional silicon grooves for altitudinal alignment in fiber end-butt coupling (E), OL 3: 73
- Sheffield, R. L.**
- ; Boyer, K.; Javan, Ali: Molecular rotational and vibrational relaxations of  $D_2O$  (A), JOSA 68: 1403
- Shekhani, Mohammad Shabbir.** See Casperson, Lee W., AO 13: 104, AO 14: 2653, AO 15: 16
- Shelden, C. E.** See Patterson, E. M., AO 16: 729
- Shellan, Jeffrey B.** See Livanos, Alexander C., AO 16: 1633
- Coupled mode analysis of thermal blooming (A), JOSA 68: 1357
- ; Holmes, Dale; Bernabe, Mike L.; Simonoff, Alex: Mirror misfigure and compensatory misfigure effects on performance of annular resonators (A), JOSA 69: 1466
- ; Agmon, P.; Yeh, Pochi; Yariv, Amnon: Statistical analysis of Bragg reflectors (T), JOSA 68: 18
- ; Ng, W.; Yeh, Pochi; Yariv, Amnon; Cho, A. Y.: Transverse Bragg-reflector injection lasers (E), OL 2: 136
- Shelley, E. G.** See Mende, S. B., AO 14: 691
- Shelton, J. C.**
- ; Reinhart, F. K.; Logan, R. A.: Characteristics of rib waveguides in GaAs-AlGaAs heterostructures (A), JOSA 69: 1483
- ; Reinhart, F. K.; Logan, R. A.: Rib waveguide switches with MOS electrooptic control for monolithic integrated optics in GaAs-AlGaAs (E), AO 17: 2548
- ; Reinhart, F. K.; Logan, R. A.: Single-mode GaAs-AlGaAs rib waveguide switches (E), AO 17: 890
- Shelton, J. Paul**
- Microwave Optics. By S. Cornbleet (B), AO 16: 2597
- Shelus, P. J.** See Ghigo, F. D., AO 15: 2621
- Shemansky, D. E.** See Sandel, Bill R., AO 16: 1435
- Shen, C. C.**
- ; Hsieh, J. J.; Lind, T. A.: Continuous cw 1000-hour operation of double-heterostructure  $GaInAsP-InP$  lasers (A), JOSA 67: 708
- Shen, Peter I-Wu.** See Valley, George C., AO 18: 2728
- Shen, Shih-yin.** See Anderson, Wallace L., JOSA 69: 1684
- ; Anderson, Wallace L.: Small-object counting and classification by scattered light (A), JOSA 64: 1399
- Shen, Y. R.** See Bischofberger, T., JOSA 68: 642, OL 4: 40, OL 4: 175; Chen, C. K., OL 4: 393; DeMartini, F., JOSA 68: 662; Schultz, P. A., JOSA 68: 638; Sudboe, Aa. S., OL 4: 219
- Sheng, Ping.** See Firester, Arthur H., AO 16: 1971
- ; Roach, W. R.; Firester, Arthur H.: Application of the vector theory to VideoDisc optical readout and inspection (A), JOSA 68: 1406
- Sheng, Shinan-Chur.** See Siegman, A. E., JOSA 67: 1396, JOSA 68: 1436; Trutna, W. Rick, JOSA 66: 1133
- ; Siegman, A. E.: Perturbed Gaussian modes of an unbalanced antiresonant-ring laser cavity (T), JOSA 66: 1032
- Shepanski, J. R.** See Ray, P. S., JOSA 68: 550
- Shepherd, G. G.**
- How about radiance response? (L), AO 13: 1734
- Shepherd, I. W.** See Lindsay, S. M., AO 16: 1404
- Shepherd, O.** See Zehnpiennig, T. F., AO 13: 1990
- Shepp, Lawrence A.** See Byer, Robert L., OL 4: 75



- Sheppard, C. J. R.** See Solymar, Laszlo, JOSA 69: 491; Wilson, T., JOSA 69: 1443
- ; Wilson, T.: Depth of field in the scanning microscope (T), OL 3: 115
- ; Wilson, T.: Effect of spherical aberration on the imaging properties of scanning optical microscopes (TE), AO 18: 1058
- ; Wilson, T.: Imaging properties of annular lenses (T), AO 18: 3764
- ; Kompfner, R.: Resonant scanning optical microscope (T), AO 17: 2879
- Sheppard, John**
- ; Rothbart, G. B.; Piestrup, M. A.; Powell, R. A.; Pantell, R. H.; Gearhart, R. A.: Development of a Cerenkov light source (A), JOSA 68: 629
- Sher, Lawrence**
- Tracking systems requirements for atmospheric steering compensation (T), AO 14: 2750
- Sherman, Bennett**
- Lens design, international conference, Haverford College, 23-27 Jun 1975 (M), AO 15: 302
- Sherman, George C.** See Gasper, John, JOSA 66: 955; Oughstun, Kurt Edmund, JOSA 65: 1224, JOSA 69: 1448; Stamnes, Jakob J., JOSA 64: 527, JOSA 66: 780, JOSA 66: 974, JOSA 67: 683, JOSA 68: 502
- Holographic real image of a point source (T) (L), JOSA 68: 423
- Sherman, James W.**
- A posteriori* restoration of atmospherically degraded images using multiframe imagery (A), JOSA 66: 175
- Shetter, Martin T.**
- ; Abreu, Vincent J.: Radiation effects on the transmission of various optical glasses and epoxies (E) (L), AO 18: 1132
- Shettle, Eric P.**
- ; Green, Alex E. S.: Multiple scattering calculation of the middle ultraviolet reaching the ground (T), AO 13: 1567
- ; Volz, Frederic E.: Optical constants for a meteoric dust aerosol model (A), JOSA 67: 257
- Radiative transfer in rural, urban, and maritime model atmospheres (A), JOSA 67: 260
- Shewchun, J.** See El-Sherbiny, M. M., AO 18: 1198; Reid, John, JOSA 67: 1363, JOSA 68: 637, AO 17: 300, AO 17: 1806
- ; Garside, B. K.; Ballik, E. A.; Kwan, C. C. Y.; Elsherbiny, M. M.; Hogenkamp, G.; Kazandjian, A.: Pollution monitoring systems based on resonance absorption measurements of ozone with a "tunable" CO<sub>2</sub> laser: some criteria (ET), AO 15: 340
- Shi, Nai K.**
- ; De Souza, Antonio Lopes: Application of volume holograms as color-sensitive spatial filters (A), JOSA 68: 1415
- Color-sensitive spatial filters (T), OL 3: 85
- Shibukawa, Atsushi**
- ; Kobayashi, Morio: Compact optical circulator for optical fiber transmission (E), AO 18: 3700
- Neutral density filters by co-evaporated Ag and SiO<sub>2</sub> films for near IR radiation (E), AO 18: 1460
- Shiever, J. W.** See Nassau, K., AO 13: 744
- Shifrin, K. S.**
- Measurement and Control of Dispersed Particles by Light Scattering at Small Angles. By L. P. Baibel and A. S. Lagunov (B), AO 17: 158
- Shigesawa, H.** See Tsuji, M., AO 18: 1334
- Shih, Chun-Ching**
- ; Yariv, Amnon: Nonlinear theory of the free-electron laser (A), JOSA 69: 1430
- ; Yariv, Amnon: Quantitative calculations of the ionic contribution to the electro-optical effect (A), JOSA 68: 644
- ; Yariv, Amnon: Theoretical model for the linear electro-optical effect of crystals (A), JOSA 69: 1476
- Shikata, Susumu.** See Fujii, Yoichi, AO 17: 3444
- Shim, Dong**
- ; Wittig, Curt: Alkali halides: their reaction with active oxygen (E) (L), AO 15: 1896
- Shimabukuro, F. I.**
- ; King, S. R.; Hartwick, T. S.; Reber, E. E.; Spencer, D. J.: Atmospheric transmission measurements at HF and DF laser wavelengths (E) (L), AO 15: 1115
- Shimada, J.** See Yasuhira, T., AO 16: 2532
- Shimada, Junichi.** See Nomura, Hiroshi, AO 14: 586
- Shimada, Sadakuni**
- Optical fiber transmission system for 32 Mb/s (A), JOSA 67: 708
- Shimada, Tamotsu.** See Honjo, Kazuo, JOSA 68: 1401, JOSA 69: 1355
- Shimamura, Keiko.** See Westheimer, Gerald, JOSA 65: 1184, JOSA 66: 332
- Shimizu, H.** See Sasano, Y., AO 18: 3908; Takeuchi, N., AO 17: 2734
- Shimizu, Kajuro**
- Image formation using a mask of periodic structure (A), JOSA 66: 1111
- Shimizu, Koichi**
- ; Ishimaru, Akira; Reynolds, Larry; Bruckner, Adam P.: Backscattering of a picosecond pulse from densely distributed scatterers (ET), AO 18: 3484
- ; Ishimaru, Akira; Bruckner, Adam P.: Diffusion and scattering of a picosecond pulse in a dense scattering medium (A), JOSA 69: 1467
- ; Ishimaru, Akira: Estimation of size distribution of randomly distributed scatterers (A), JOSA 68: 1385
- Shimizu, Motoh.** See Nishida, M., JOSA 67: 709; Ueno, Yoshito, AO 15: 1385
- Shimizu, Nobuo.** See Tsuchiya, Haruhiko, AO 16: 1323
- Shimizu, Satoshi.** See Okada, Masakatsu, AO 14: 917
- Shimizu, Tadao.** See Matsushima, Fusakazu, JOSA 68: 647
- Shimizu, Tsukasa.** See Kato, Isamu, JOSA 68: 1008, JOSA 69: 175
- Shimizu, Tukas.** See Sato, Koki, AO 14: 102
- Shimizu, Yutaka.** See Ohtsuka, Yasuji, AO 16: 1050
- Shimoda, Koichi**
- ; Takami, Michio: Double resonance laser spectroscopy of molecules (A), JOSA 69: 1397
- Shimodaira, M.**
- ; Honma, K.; Hiramatsu, T.: Experimental 400 Mb/s digital transmission system using Selfoc fiber (A), JOSA 67: 708
- Shimomura, Teruo**
- ; Mada, Hitoshi; Kobayashi, Shunsuke: Generation of an arbitrary color in a nematic liquid crystal display (TE), AO 18: 3139
- Shimozono, Hiroaki.** See Ikeda, Mitsuo, JOSA 68: 1400, JOSA 68: 1767
- Shin, Chun-Ching**
- ; Yariv, Amnon: Theory of longitudinal relativistic free-electron laser (A), JOSA 68: 628
- Shin, J. B.**
- ; Nicholls, Ralph W.: Emission study of the shock-excited blue-green band system of ScO (A), JOSA 67: 1432
- Shin, S. Y.** See Cho, S. H., JOSA 68: 1435, JOSA 69: 563
- ; Felsen, Leopold B.: Gaussian beam modes by multipoles with complex source points (T) (L), JOSA 67: 699
- Shindo, Yoshio.** See Fujii, Hitoshi, JOSA 66: 1217
- Shinitzky, M.** See Bruck, A., AO 16: 564
- Shipley, Scott T.**
- ; Weinman, James A.: Numerical study of scattering by large dielectric spheres (T), JOSA 68: 130
- Shiraishi, S.** See Aoki, F., JOSA 67: 709
- Shirasu, Hiroshi.** See Tsuruta, Tadao, AO 13: 1119
- Shiren, N. S.**
- ; Grischkowsky, D.; Bennett, R. J.: Resonantly enhanced generation of time-reversed wave fronts in rubidium vapor (A), JOSA 68: 690
- Shirkey, W. D.** See Hagy, H. E., AO 14: 2099
- Shirley, J. H.**
- ; Eberly, Joseph H.: Local effective emissivity of conical cavities (T), AO 18: 3810
- Shirley, John A.** See Hall, Robert J., OL 4: 87
- Shishov, V. I.** See Aksenov, V. P., AO 15: 1172
- Shivanandan, K.** See McNutt, D. P., AO 14: 1116
- Shkunov, V. V.**
- ; Zeldovich, B. Ya.: Recording and reconstruction of an object's wave state of polarization by a volume hologram (T), AO 18: 3633
- Shlien, D. J.** See Boxman, Raymond L., AO 17: 2788
- Shmoys, J.** See Cheo, L. S., JOSA 67: 1686
- Shoemaker, Richard L.**
- Atomic and Laser Spectroscopy. By A. Corney (B), AO 17: 1479
- ; van Stryland, Eric W.: Coherent Raman beat spectroscopy (A), JOSA 66: 1109
- ; Scotti, Ronald E.; Comaskey, Brian: Coherent transient effects using a frequency-switched CO<sub>2</sub> laser (A), JOSA 68: 1388
- Optical transient spectroscopy (A), JOSA 67: 1371
- Shono, Yasuo**
- Reconstructed images from volume holograms in the Fraunhofer approximation: analysis by a new spherical-wave expansion (TE), JOSA 66: 564
- ; Inuzuka, T.: Representation of a diffracted wave field by the band-limited angular spectrum (T), JOSA 68: 1579
- Shore, B. W.** See Rajnak, K., JOSA 67: 1418, JOSA 68: 360, JOSA 68: 1649
- Shorthill, R. W.** See Vali, V., AO 15: 1099, AO 16: 290, AO 16: 2605
- Shortridge, R. G.** See Lin, M. C., JOSA 65: 1162
- Shostak, A.**
- Optical & Acoustical Micro-Electronics, Proceedings of the Symposium. Edited by Jerome Fox (B), AO 15: 1109
- Shostak, G. Seth**
- Intensity Interferometer. Its Application to Astronomy. By R. Hanbury Brown (B), AO 14: 2312
- Shotton, K. C.** See Woods, P. T., AO 17: 1048
- Shotts, W. J.**
- ; Sievers, A. J.: Low-temperature far-infrared windows (E) (L), AO 13: 2773
- Shoucri, R. M.**
- ; Paquet, C.: Fresnel zones calculation. part 2 (T), AO 15: 1210
- Shriver, E. L.** See Pillai, P. K. C., AO 14: 2978
- Shrode, Theodore E.** See Hershel, Ronald S., JOSA 66: 861
- ; Hershel, Ronald S.: Characteristics of image sampling using phase gratings (A), JOSA 67: 1416
- Shtrikman, S.** See Kritchman, E. M., JOSA 68: 1257; Perlmutter, P., AO 18: 2267
- ; Tur, M.: Optical properties of the distorted cholesteric structure (T), JOSA 64: 1178
- Shu, Ker-Li.** See Marathay, Arvind S., JOSA 68: 1410
- Shuba, Yu. A.** See Kondratyev, K. Ya., AO 16: 1770
- Shukla, V. N.** See Gupta, P. C., AO 16: 1802
- Shuler, Marion P., Jr.** See Stewart, Harold S., JOSA 66: 1088, JOSA 67: 259
- Shull, W. A.** See Hawkins, J. D., JOSA 66: 385, JOSA 66: 386
- Shultens, H. A.** See Morris, S. J., AO 18: 303
- Shumate, M. S.** See Menzies, Robert T., JOSA 69: 1398
- Shumate, Michael S.** See Kavaya, Michael J., AO 18: 2602; Menzies, Robert T., JOSA 64: 541, AO 15: 2025, AO 15: 2080
- ; Menzies, Robert T.; Margolia, Jack S.; Rosengren, Lars-Goeran: Water vapor absorption of carbon dioxide laser radiation (E), AO 15: 2480
- Shumate, P. W., Jr.** See Chen, F. S., JOSA 66: 391, AO 17: 2219; Hackett, W. H., Jr., JOSA 67: 709; Karr, M. A., AO 18: 1262
- Shupe, David**
- ; Gorman, R. Paul: Moire inspection of multicomponent assemblies (E), AO 18: 4046
- Shuter, V.** See Sydor, M., AO 18: 3574
- Shy, J. T.**
- ; Kyrala, George A.; Tolliver, David E.; Wing, William H.: Laser stabilization on CO<sub>2</sub> saturated-absorption fluorescence without cryogenics (A), JOSA 69: 1458
- Shyu, R. S.**
- ; Wang, Shyh: Simultaneous determination of refractive indices and angles of prisms (E), AO 13: 118
- Sibbett, W.** See Adams, M. C., JOSA 68: 665
- Sica, Louis.** See DuPre, Elsie, AO 13: 1983
- Compact three-beam interferometer (A), JOSA 64: 559
- Energy dependence of the transfer function in stellar speckle interferometry in the poor seeing limit (A), JOSA 67: 1390
- Sidran, M.**
- Wavelength calibration of a prism monochromator (ET) (L), AO 16: 2791
- Siebert, L. D.** See Thomas, Carlton E., AO 15: 462
- Siefert, E.**
- Fast low-cost digital lock-in (E), AO 16: 1163
- Siegel, Edward P.**
- Infrared optical reflectivity of liquid metals (A), JOSA 67: 254



- Metabolic Ophthalmology: International Journal of Basic Research and Clinical Applications, Volume 1, No. 1. Editor: Heskell M. Haddad (B), AO 16: 1772
- Siegman, A. E.** See Hayward, Gary, JOSA 68: 1394; Salcedo, J. R., JOSA 68: 1412; Salcedo, Jose, JOSA 66: 1074; Sheng, Shinan-Chur, JOSA 66: 1032; Sziklas, Edward A., AO 14: 1874
- Bragg diffraction of a Gaussian beam by a crossed-Gaussian volume grating (T), JOSA 67: 545
- ; Sziklas, Edward A.: Mode calculations in unstable resonators with flowing saturable gain. I: Hermite-Gaussian expansion (T) (cover story Dec A5, 2792), AO 13: 2775
- ; Sheng, Shinan-Chur; Hardy, Amos A.: Nonlinear optical beam calculations using transform methods (A), JOSA 67: 1396
- ; Sheng, Shinan-Chur: Optical beam calculations using the fast Hankel transform (A), JOSA 68: 1436
- Quasi-fast-Hankel transform for optical diffraction calculations (A), JOSA 66: 1132
- Quasi fast Hankel transform (T), OL 1: 13
- Unstable optical resonators (R), AO 13: 353
- Why the sinc function should be defined as  $(\sin x)/x$  and not  $(\sin \pi x)/\pi x$  (L), AO 13: 705
- Siegrist, M. R.**
- Cusp shape reflectors to pump disk or slab lasers (TE), AO 15: 2167
- Siegwarth, J. D.** See Lawless, W. N., JOSA 64: 820, JOSA 64: 1730
- Siemon, Richard E.**
- Polychromator with extreme rejection of stray light (E) (L), AO 13: 697
- Polychromator with extreme rejection of stray light (errata), AO 13: 1555
- Siemens, Klaus J.**
- ; Reid, John: Technique for obtaining cw CO<sub>2</sub> sequence laser lines using an incavity NH<sub>3</sub> cell (E) (L), AO 17: 3523
- Sievers, A. J.** See Chraplyvy, A. R., OL 3: 112; Graham, G. W., JOSA 69: 1472; Mon, K. K., AO 14: 1054; Schlesinger, Z., JOSA 69: 1434; Shotts, W. J., AO 13: 2773; Smalley, R., JOSA 68: 1516; Trotter, D. M., Jr., JOSA 69: 1400
- Far-infrared and submillimeter-wave spectroscopy (A), JOSA 64: 533
- Infrared study of anomalous excitations in glasses (A), JOSA 67: 254
- Thermal radiation from metal surfaces (T), JOSA 68: 1505
- Sigel, George H., Jr.** See Friebele, E. J., JOSA 67: 707; Maklad, Mokhtar S., JOSA 67: 707
- Sigillito, V. G.** See Pirkle, J. C., Jr., AO 13: 2799
- Sigler, Robert D.** See Tarvin, Jeffrey A., AO 18: 2971
- Compound catadioptric telescopes with all spherical surfaces (T), AO 17: 1519
- Compound Schmidt telescope designs with nonzero Petzval curvatures (T), AO 14: 2302
- Family of compact Schmidt-Cassegrain telescope designs (T) (L), AO 13: 1765
- Silberberg, Y.** See Ganiel, U., AO 14: 306
- ; Levy, U.: Modal treatment of an optical fiber with a modified hyperbolic secant index distribution (T), JOSA 69: 960
- Silevitch, Michael B.** See Ehn, Dennis C., JOSA 64: 667
- Silfvast, William T.**
- ; Szeto, Leo H.: Fast infrared laser detector using surface ionization (A), JOSA 68: 1442
- ; Szeto, Leo H.; Wood, O. R., II: Recent advances in laser-produced plasma lasers (A), JOSA 68: 1623
- ; Szeto, Leo H.; Wood, O. R., II: Recombination lasers in CO<sub>2</sub> laser-produced plasmas of Cd and Pb (A), JOSA 68: 1394
- ; Szeto, Leo H.; Wood, O. R., II: Recombination lasers in Nd and CO<sub>2</sub> laser-produced cadmium plasmas (E), OL 4: 471
- Silk, J. Kevin.** See Chase, Richard C., AO 14: 2096; Vaiana, Giuseppe S., JOSA 64: 524
- Sillitto, Richard M.** See Kintner, Eric C., JOSA 66: 1122
- Sillitto, Winifred**
- Fraunhofer diffraction at straight-edged apertures (TE), JOSA 69: 765
- Silva, L.** See Kumar, R., AO 18: 2334
- Silva, R.**
- ; Rogers, Gordon L.: Decoding of a noncoherent hologram using noncoherent light (TE), JOSA 65: 1448
- Silvaggio, P. M.** See Blatherwick, R. D., AO 18: 3798
- Silver, Samuel**
- Theory of Electromagnetic Waves. By J. A. Kong (B), AO 15: A15
- Silverberg, E. C.** See Ghigo, F. D., AO 15: 2621
- Operation and performance of a lunar laser ranging station (E), AO 13: 565
- Silverman, Gerald.** See Cogan, Alexander L., JOSA 69: 1452
- Silverman, Joseph.** See Eubanks, A. G., JOSA 64: 1194
- Silverman, S. M.**
- ; Mullen, E. G.: Sky brightness during eclipses: a review (R), AO 14: 2838
- Silverman, Shirleigh**
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- Vuzort 1945-1975 (B), AO 16: 1776
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- Silvernail, Chester J.** See Jones, Kenneth C., JOSA 64: 538
- Silverstein, Fred E.** See Gulacik, Chris, AO 18: 1816
- Silvertooth, Ernest W.**
- Electromagnetic radiation, relativity, and anomalous red-shifts (E) (L), AO 15: 1100
- Electromagnetic radiation, relativity, and anomalous red shifts: author's reply to comments (ET) (L), AO 16: 543
- Silvestri, A.** See Zweig, Hans J., JOSA 66: 167
- Simmons, E. L.**
- Diffuse reflectance spectroscopy: a comparison of the theories (T), AO 14: 1380
- Particle model theory of diffuse reflectance: effect of nonuniform particle size (T) (L), AO 15: 603
- Reflectance spectroscopy: application of the Kubelka-Munk theory to the rates of photoprocesses of powders (T), AO 15: 951
- Simmons, J. E.** See Ghozeil, I., AO 13: 1773; Livingston, William C., AO 15: 33
- Simmons, Joseph H.**
- ; Mohr, Robert K.; Tran, Danh C.; Macedo, Pedro B.; Litovitz, Theodore A.: Optical properties of waveguides made by a porous glass process (E) (L), AO 18: 2732
- Simmons, L. B.** See Saito, Theodore T., JOSA 64: 536, AO 13: 2647, AO 14: 721
- Simmons, W. W.** See Glaze, James A., JOSA 65: 1208; Hunt, J. T., AO 16: 779, AO 17: 2053; Summers, M. A., JOSA 68: 547
- ; Speck, D. R.; Hunt, J. T.: Argus laser system: performance summary (E), AO 17: 999
- ; Allen, G. A.; Neef, W. S.; Wallerstein, Edward Perry: Design, construction, and initial performance of Argus. A two-beam laser irradiation facility (A), JOSA 66: 388



- ; Leppelmeier, G. W.; Johnson, B. C.: Optical beam shaping devices using polarization effects (ET), AO 13: 1629
- ; Speck, D. R.; Swain, J. E.; Swift, C. D.; Ozarski, R. G.: Shiva laser performance (A), JOSA 68: 547
- Simms, D. L.**  
More on that burning glass of Archimedes (L), AO 13: 5A14
- Simms, R. J.** See Henderson, T. M., JOSA 68: 545; Musinski, D. L., JOSA 68: 550
- Simon, A.** See Ulrich, R., AO 18: 2241
- Simon, H. J.** See Plotz, G. A., JOSA 69: 419
- Simon, Jacques F.** See Charlot, A., AO 14: 890
- Simon, Juan M.** See Gil, M. A., AO 18: 2280; Sanchez, H. R., JOSA 66: 1055; Simon, Maria C., AO 17: 132, AO 18: 1463
- Diffraction in the zonal Foucault test (E) (L), AO 16: 1782
- ; Ratto, J. O.; Comastri, Silvia A.: Sine condition derivation via Fourier optics (T) (L), AO 18: 2912
- ; Simon, Maria C.: Wollaston prism as a beam splitter in convergent light (T) (L), AO 17: 3352
- Simon, Maria C.** See Sanchez, H. R., JOSA 66: 1055; Simon, Juan M., AO 17: 3352
- ; Simon, Juan M.: Testing of flat optical surfaces by the quantitative Foucault method (T), AO 17: 132
- ; de Zenobi, E. L.; Simon, Juan M.: Testing optical surfaces by the method of the caustic using a phase-stripe as spatial filter (TE), AO 18: 1463
- Simonis, George J.** See Weber, Bruce A., OL 3: 229
- Simonoff, Alex.** See Shellan, Jeffrey B., JOSA 69: 1466
- Simons, S. W.** See Babcock, R. V., JOSA 68: 543; Feldman, B. J., OL 2: 16
- Simonsic, Gary A.**  
—; Nix, L. Paul, Jr.; Catlett, Duane S.: Electron beam initiated fusion-target fabrication (A), JOSA 68: 544
- Simpson, Ellen L.** See Soltzberg, L. J., AO 16: 3206
- Simpson, G.** See Trolinger, J., JOSA 66: 384
- Simpson, J.** See Cohen, R. L., AO 13: 2522
- Simpson, J. Arol**  
Introduction to the Theory of Space-Charge Optics. By Gyula Andras Nagy and Miklos Szilagyi (B), JOSA 65: 615
- Simpson, J. P.**  
—; Witteborn, Fred C.: Effect of the shuttle contaminant environment on a sensitive infrared telescope (R), AO 16: 2051
- Simpson, J. R.** See Bernhardt, Anthony F., JOSA 66: 416, JOSA 66: 420; Cohen, R. L., JOSA 64: 526; French, William G., AO 15: 1803; Kaiser, P., JOSA 67: 707; Tasker, G. W., AO 17: 1836; Wonsiewicz, B. C., AO 15: 1048
- Simpson, John A.**  
Dividing, Ruling, and Mask Making. By D. F. Horne (B), AO 14: 2308
- Lens Mechanism Technology. By D. F. Horne (B), AO 15: 1369
- Simpson, O. A.**  
—; Bean, Brent L.; Perkowitz, S.: Far infrared optical constants of liquid water measured with an optically pumped laser (E) (L), JOSA 69: 1723
- Simpson, Richard S.** See Wolfe, Robert H., Jr., AO 18: 228
- Simpson, Robert G.** See Chiu, M. Y., JOSA 69: 1323
- Decoding of annular coded-aperture images (A), JOSA 66: 1110
- Sinclair, A. R.** See Burcher, E. E., AO 17: 2130
- Sinclair, Douglas C.** See George, Nicholas, JOSA 66: 1316; Hayford, M. J., JOSA 69: 408
- Acknowledgments (N), JOSA 68: 1791
- Advances in Quantum Electronics, Volume 3. Edited by D. W. Goodwin (B), JOSA 67: 410
- Changing the guard (N), JOSA 66: 86
- Copyright law (N), JOSA 68: 148
- Editors, Goodman, Joseph W.—New JOSA Editor, JOSA 68: 1016
- Editor's page (N), JOSA 66: 404
- Format for typewritten references (N), JOSA 66: 514
- Laser Physics. By Murray Sargent, III, Marlan O. Scully, and Willis E. Lamb, Jr. (B), JOSA 65: 972
- Lasers, free enterprise, and government regulation (N), JOSA 66: 1144
- Lens design for laser systems (T), JOSA 64: 314
- Microfiche for scientists (N), JOSA 66: 640
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- Optical design using desktop computers (A), JOSA 68: 1452
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- OSA congressional fellowship (N), JOSA 66: 404
- Physics engineering and JOSA (N), JOSA 66: 192
- Programming the Hewlett-Packard 9815 calculator for optical design (A), JOSA 66: 1121
- Programming the Hewlett-Packard HP-65 pocket calculator for optical design (A), JOSA 64: 1358
- Quantum Electronics, 2nd Edition. By Amnon Yariv (B), JOSA 66: 1140
- Topical issue on laser speckle (N), JOSA 66: 1316
- Vision and Acquisition, Fundamentals of Human Visual Performance, Environmental Influences and Applications in Instrumental Optics. Edited by Ian Overington (B), JOSA 67: 129
- Why go to a meeting? (N), JOSA 66: 984
- Writing for the reader (N), JOSA 66: 300
- Zoom Lenses. By A. D. Clark (B), AO 14: 790
- Sindoni, O. I.** See Borghese, F., AO 18: 116; Carlon, Hugh R., AO 16: 1598
- Singer, Joseph M.** See Cashdollar, Kenneth L., AO 18: 1763
- Singer, L.**  
—; Singer, Z.; Kimel, S.: Wavelength shifts in tuning dye lasers (T), AO 15: 2678
- Singer, Sidney.** See Liberman, I., JOSA 66: 387; Parker, J. V., JOSA 66: 387; Schappert, G. T., JOSA 68: 668; Sollid, Jon E., AO 15: 1656
- ; Zimmerman, Eugene L.; Lieberman, Irving; Gunn, Stanley; Halloran, Michael; Watts, Keith: 10 KJ laser fusion target optical subsystem (A), JOSA 68: 542
- Singer, Z.** See Singer, L., AO 15: 2678
- Singh, A. K.**  
—; Goben, C. A.; Davarpanah, M.; Boone, J. L.: Excitation of surface electromagnetic waves on water (ET), AO 17: 3459
- Singh, K.** See Bahuguna, R. D., JOSA 69: 877; Bhatnagar, G. S., AO 13: 1553; Gupta, P. C., AO 14: 129, AO 15: 2233
- Annular apertures with high obstruction: comment (T) (L), AO 13: 2774
- Apodization and image contrast (T): comment (L), AO 18: 3886
- Derivation of the MTF for an ideal optical system from Struve's equation for the line spread function: comments on (T) (L), AO 13: 734
- ; Rattan, R.; Maggo, J. N.: Influence of longitudinal vibrations on the diffraction images of bright incoherent disks (T), AO 14: 500
- ; Gupta, P. C.: Periodic nonsinusoidal vibration: effects in matched filtering for detection of signals buried in noise of uniform spectral density (T), AO 14: 2940
- Singh, M. P.** See Norman, Scott L., JOSA 64: 1394, AO 14: 818
- Singh, Mahipal**  
New monochromators of concave grating suitable for space telescopes (ET), AO 17: 1815
- Singh, O.** See McMath, T. A., JOSA 67: 630
- Singh, P.** See Rosen, James M., JOSA 67: 259
- Singh, Surendra.** See Zubairy, M. S., JOSA 69: 1430
- ; Mandel, Leonard: Light fluctuations in a homogeneously broadened ring laser (A), JOSA 69: 1474
- Singleton, Russell M.** See Mittra, Raj, JOSA 66: 168; Ransom, Preston L., AO 13: 717
- ; Hendricks, Charles D.; Weinstein, Berthold W.: Microradiographic measurement of laser fusion targets (A), JOSA 68: 545
- ; Weinstein, Berthold W.; Hendricks, Charles D.: X-ray measurement of laser fusion targets using least-squares fitting (E), AO 18: 4116
- Sinze-He, J.** See Bauche-Arnoult, C., JOSA 68: 58
- Siong, Gan Woon**  
Application of Mie effect to reflecting holograms (A), JOSA 64: 1381
- Sipe, J. E.**  
—; Stegeman, George I.: Comparison of normal mode and total field analysis techniques in planar integrated optics (T), JOSA 69: 1676
- Sirohi, R. S.** See Sethuraman, J., JOSA 69: 907; Shaker, Chandra, AO 17: 3700
- Sirois, Gilbert A.**  
—; Daly, J. C.: Flat plate solar collector enhancement utilizing plane reflecting surfaces (A), JOSA 69: 1400
- Sirovich, Lawrence**  
—; Brodie, Scott E.; Knight, Bruce W.: Boundary effects in retinal neural networks (A), JOSA 69: 1432
- Siu, D. P.**  
—; Gustafson, T. K.: Stimulated emission of surface plasmons by electron tunneling in metal-barrier-metal structure (A), JOSA 68: 632
- Sivak, J. G.**  
—; Millodot, Michel: Axial chromatic aberration of eye with achromatizing lens (E) (L), JOSA 64: 1724
- ; Millodot, Michel: Corneal curvature and amphibious vision in penguins (A), JOSA 67: 1389
- Siviter, J. H., Jr.** See Poultney, Sherman K., AO 16: 3180
- Sjoberg, Robert W.** See Horn, Berthold K. P., AO 18: 1770
- Skande, Per.** See Abramson, Nils, AO 18: 2017
- Skibowski, M.** See Saile, V., AO 15: 2559
- Skifstad, J. G.**  
—; Chao, C. M.: Rotational relaxation in a line-selected continuous HF chemical laser (T), AO 14: 1713
- Skillman, David C.**  
Advances in Optical and Electron Microscopy, Volume 6. Edited by R. Barer and V. E. Cosslett (B), JOSA 67: 574
- Skinner, Charles H.**  
—; Palenius, Hans P.: Four-wave mixing in barium (A), JOSA 65: 1180
- Skinner, W. R.** See Nordstrom, R. J., AO 16: 1477
- ; Nordstrom, R. J.: Accuracy of the AFCRL atmospheric absorption line parameters compilation in the 10- $\mu$ m atmospheric window (E) (L), AO 15: 2616
- Sklar, Edward**  
Effects of small rotationally symmetrical aberrations on the irradiance spread function of a system with Gaussian apodization over the pupil (T) (L), JOSA 65: 1520
- Skoepol, W. J.** See Weitz, D. A., OL 3: 13
- Skogman, R. A.** See Moravec, T. J., AO 18: 105
- Skolnick, L. P.** See Nyce, A. C., JOSA 65: 792
- Skolnick, M. L.** See Neufeld, C., JOSA 66: 391
- ; Robertson, H. J.: Sliding reference interferometer (A), JOSA 66: 382
- Skolnick, M. S.**  
—; Carter, A. C.; Couder, Y.; Stradling, R. A.: High-precision study of excited-state transitions of shallow donors in semiconductors (E), JOSA 67: 947
- Skolnik, Lyn H.** See Bendow, Bernard, AO 13: 729; Hordvik, Audun, JOSA 67: 253, AO 16: 2919; Lipson, Herbert G., AO 13: 1741
- ; Bendow, Bernard; Cross, Edward F.: Infrared vidicon technique for measuring thermal lensing from laser windows (E) (L), AO 13: 726
- ; Clark, O. M.: Temperature change of the refractive index of CVD ZnSe at 10.6  $\mu$ m (E) (L), AO 13: 1999
- Skuibin, B. G.** See Isaev, S. K., JOSA 68: 1621
- Skupsky, Stanley.** See Steel, Duncan G., JOSA 68: 550
- ; Deletere, J.; Lee, C. M.; Thorsos, E.; Yaakobi, B.; McCrory, R. L., Jr.; Steel, Duncan G.: Estimates of density and temperatures, attained in recent neon compression experiments (A), JOSA 68: 549
- High thermonuclear energy gains with a low tritium inventory for inertially confined fusion (A), JOSA 68: 546
- Sladen, F. M. E.**  
—; Payne, D. N.; Adams, M. J.: Direct measurement of the inhomogeneous dispersion parameter in optical fibers (A), JOSA 67: 707
- Sladky, R. E.** See Sollid, Jon E., AO 15: 1656
- Slafer, W. D.** See Benard, D. J., AO 16: 2108; Lee, P. H., AO 15: 2825



- Slansky, Serge.** See Dupuisot, Henri, AO 17: 3930, AO 18: 1476
- Slappendel, Sybe.** See Koenderink, Jan J., JOSA 68: 845, JOSA 68: 850, JOSA 68: 854, JOSA 68: 860
- Slater, D. C.** See Johnson, R. R., JOSA 68: 544
- ; Mayer, F. J.; Johnson, R. R.: Experimental studies of fast ions from laser-produced plasmas (A), JOSA 68: 544
- Slatkine, M.** See Kritchman, E. M., JOSA 68: 1257; Perlmuter, P., AO 18: 2267
- Slattery, J. E.** See Goldstein, L. F., AO 14: 2432
- Sampling requirements in interferogram reduction (A), JOSA 64: 1369
- ; Thompson, J. S.; Schroeder, J. B.: Thermal pulse damage thresholds in cadmium telluride (E), AO 14: 2234
- Slaughter, C.** See Livingston, William C., AO 15: 33, AO 15: 40
- Slaven, R. R.**
- Analysis of window interferograms using MTF criteria (A), JOSA 69: 1419
- Optical boresight analysis (A), JOSA 69: 1457
- Slymaker, Phillip A.** See Forsyth, James M., JOSA 67: 1436; Tansey, R., JOSA 69: 1475
- ; Forsyth, James M.: Angular distribution of amplified spontaneous emission—a comparison of theory and laser dye experiment (A), JOSA 67: 1436
- ; Tansey, R.: Tilt misalignment sensitivity dependence on number of mirrors in unstable negative-branch-ring resonators (A), JOSA 69: 1475
- Slemon, C.**
- ; Wells, W. H.: Television camera for display of angular patterns from optical fibers (E) (L), AO 16: 3082
- Slezak, C.** See d'Auria, L., AO 13: 808
- Sloney, David H.**
- ; Wagemann, Robert T.; Franks, James K.; Wolbarsht, Myron L.: Visual sensitivity of the eye to infrared laser radiation (E), JOSA 66: 339
- Slingerland, J.** See van der Wal, P. B., AO 18: 641
- Slivinsky, V. W.** See Ahlstrom, Harlow G., JOSA 68: 1731; Coleman, Lamar W., JOSA 68: 547
- Sloan, E. L., III.** See Neufeld, C., JOSA 66: 391; Webster, J. C., JOSA 67: 1438
- Sloan, Mark L.** See Boxman, Raymond L., AO 17: 2794
- Sloane, Neil J. A.** See Tai, Ming-Hing, AO 14: 2678
- ; Harwit, Martin: Masks for Hadamard transform optics, and weighing designs (T), AO 15: 107
- ; Harwit, Martin; Tai, Ming-Hing: Systematic errors in Hadamard transform optics (TE), AO 17: 2991
- Slomba, Albert F.**
- ; Harris, James S.; Thompson, Stephen W.: Fabrication of a shallow, reflective infrared (10.6  $\mu$ m) diffraction grating by ionic polishing and ruling (A), JOSA 64: 538
- Sluis, K. L. Vander**
- ; Nugent, L. J.: Systematics in the relative energies of some low-lying electron configurations in the gaseous atoms and free ions of the lanthanide and actinide series (TE), JOSA 64: 687
- Slusher, R. B.**
- ; Derr, Vernon E.: Temperature dependence and cross sections of some Stokes and anti-Stokes Raman lines in ice Ih (E), AO 14: 2116
- Slutz, Stephen.** See Wood, Lowell L., JOSA 64: 556
- Sluyters, J. H.** See Pieterse, M. M. J., JOSA 69: 484
- Sluyters-Rehbach, M.** See Pieterse, M. M. J., JOSA 69: 484
- Smakovskii, Yu. B.** See Baranov, V. Yu., AO 15: 1373
- Small, R. D.**
- ; Weihs, D.: Boundary layer effects in optical measurements in gas dynamics (T), AO 13: 1591
- Smalley, R.**
- ; Sievers, A. J.: Total hemispherical emissivity of copper (TE), JOSA 68: 1516
- Smallman, C. R.** See Aronson, James R., AO 18: 2622
- Smartt, Raymond N.**
- Absolute measurements of optical flats (A), JOSA 66: 1104
- ; Steel, W. H.: Point-diffraction interference microscopy (A), JOSA 69: 1455
- Simple unequal-path interferometer configurations (A), JOSA 65: 1210
- Telescope test using the point-diffraction interferometer (A), JOSA 64: 558
- Zone plate interferometer (E), AO 13: 1093
- Zone-plate radial-shear interferometers (A), JOSA 68: 1391
- Smirl, Arthur L.** See Clark, James B., JOSA 69: 1180
- Ultrafast transient response of optically excited plasmas in germanium (A), JOSA 66: 1082
- Smirnov, R. V.** See Burdonsky, J. N., AO 15: 1450
- Smirnov, V. I.** See Grigoryants, V. V., JOSA 67: 709
- Smith, A. M.** See Mundy, W. C., JOSA 64: 1593, JOSA 65: 974; Wood, B. E., AO 15: 940
- Polarization and magneto-optic properties of single-mode optical fiber (ET), AO 17: 52
- Smith, A. W.**
- Injection laser writing on chalcogenide films (E), AO 13: 795
- Smith, B. Thomas**
- ; Yamamoto, Junya; Bell, Ely E.: Far-infrared transmittance of Tb, Ho, Tm, Er, and Yb orthoferrite (E), JOSA 65: 605
- Smith, Bernard T.** See Yamamoto, Junya, JOSA 64: 880
- Smith, Burton J.** See Cathey, W. Thomas, AO 18: 1687
- Smith, C. B.** See Fymat, Alain L., AO 18: 3595
- Smith, D. F.** See Wampler, F. B., OL 4: 143
- Smith, D. R.**
- Fast Fourier Transform. By E. O. Brigham (B), AO 14: A45
- Smith, D. T.** See Diehl, S. R., AO 18: 1653
- Smith, D. W.** See Soule, D. E., JOSA 67: 251, AO 16: 2818
- Smith, David.** See Baumeister, Philip W., JOSA 68: 1284
- ; Baumeister, Philip W.: Refractive index of some oxide and fluoride coating materials (T), AO 18: 111
- Smith, David C.** See Buser, Rudolf G., JOSA 66: 78, AO 14: 2740; Dunphy, James R., JOSA 68: 541, JOSA 67: 295
- ; Fowler, Michael C.: Ignition and maintenance of cw plasma in air with cw CO<sub>2</sub> laser radiation (A), JOSA 64: 1356
- Smith, David K.** See Marks, Robert J., II, JOSA 69: 1467
- Smith, David Y.**
- Dispersion relations and sum rules for magnetoreflexivity (T), JOSA 66: 547
- Dispersion relations for complex reflectivities (T) (L), JOSA 67: 570
- Dispersion relations for the complex refractive index of circularly and elliptically polarized light (T): comments, JOSA 66: 454
- Smith, Donald R.**
- ; Loewenstein, Ernest V.: Far-infrared thin-film beam splitters: calculated properties (T), AO 14: 2473
- ; Loewenstein, Ernest V.: Optical constants of far infrared materials. 3: Plastics, AO 14: 1335
- ; Loewenstein, Ernest V.: Optical constants of metal oxides in the far infrared region (E) (L), AO 15: 859
- Smith, E. M.** See Aronson, James R., AO 18: 2622
- Smith, Eastman**
- Eyesight refraction: a new look (A), JOSA 64: 1373
- Visual response surgically investigated (A), JOSA 65: 1205
- Smith, F. Dow.** See Wyant, James C., AO 14: 1607
- Spectacle Lens Technology.** By D. F. Horne (B), JOSA 69: 800
- Vision and Acquisition. By Ian Overington (B), AO 16: 788
- Smith, F. G.** See White, Kenneth O., JOSA 65: 1201
- Smith, F. Harvey.** See Almeida, Silverio P., JOSA 64: 544
- Smith, Frank T. J.**
- Solid State Chemistry. Edited by C. N. R. Rao (B), JOSA 64: 1279
- Smith, Frederick G.** See White, Kenneth O., AO 17: 2711
- Smith, Gerald R.**
- Light Scattering in Planetary Atmospheres. By V. V. Sobolev (B), JOSA 66: 744
- Smith, H. J. P.** See Clough, Shepard A., JOSA 68: 1424
- Smith, Howard M.**
- Holographic recording in photographic emulsions (A), JOSA 64: 1388
- Holography.** By M. Francon (B), JOSA 64: 1350
- Introduction to Acoustical Holography. By B. P. Hildebrand and B. B. Brendon (B), JOSA 64: 1728
- ; Sewell, Martha H.; King, James R.: Real-time holographic interferometry: a system (E), AO 15: 729
- ; Sewell, Martha H.; King, James R.: System for real-time holographic interferometry (A), JOSA 64: 1382
- Smith, I. M. W.** See Peterson, A. B., JOSA 68: 655
- Smith, I. W.** See Dorschner, T. A., JOSA 68: 1381
- Reflectometer for laser mirrors with accuracy better than  $10^{-4}$  (TE) (L), AO 17: 2476
- Smith, J. A.**
- ; Oliver, R. E.: Effects of changing canopy directional reflectance on feature selection (T), AO 13: 1599
- Smith, J. Lynn**
- Far-field speckle and Doppler shifts for rough laser-illuminated rotating cylinders (T) (L), AO 18: 755
- ; Christensen, Charles R.: Four applications of the liquid crystal light valve in optical processing (A), JOSA 68: 1377
- ; Tanton, G. A.; Gamble, W. L.: Measurement of low-field Faraday rotation and ellipticity (E), AO 13: 1451
- Smith, Jack**
- ; Pries, Thomas H.: Temporal-frequency spectra for waves propagating over straight and folded paths: a comparison (T), AO 14: 1161
- Smith, K. C. A.**
- Practical Scanning Microscopy: Electron and Ion Microprobe Analysis. Edited by J. I. Goldstein and H. Yakowitz (B), AO 15: 2012
- Smith, Kenneth P.** See Pollakoff, Martyn, JOSA 68: 693
- Smith, L.** See Chattopadhyay, S., JOSA 68: 546
- Smith, L. N.**
- Simple submicrosecond optical chopper (E) (L), AO 18: 3552
- Smith, Luther**
- ; Snitzer, Elias: Dispersion minimization in dielectric waveguides: reply to comment on (L), AO 13: 1290
- Smith, M. J.** See Kellen, P. F., JOSA 67: 1391
- Smith, P. Hollingsworth.** See Sari, S. Oliver, JOSA 67: 252
- ; Gurev, H. Samuel; Sari, S. Oliver: Thin-film reflectivity in dielectric-metal bilayers (A), JOSA 66: 1070
- Smith, P. L.** See Wang, Charles P., AO 18: 1322
- Smith, P. M.** See Klenk, K. F., JOSA 69: 1399
- Smith, P. R. C.** See Elgin, J. N., JOSA 68: 707
- Smith, P. W.** See Bloom, David M., JOSA 68: 645
- ; Turner, E. H.: Bistable Fabry-Perot resonator (A), JOSA 67: 250
- Bistable interferometers (A), JOSA 68: 641
- ; Turner, E. H.; Mumford, B. B.: Nonlinear electro-optic Fabry-Perot devices using reflected-light feedback (ET), OL 2: 55
- ; Herman, J. P.; Tomlinson, W. J.; Maloney, P. J.: Optical bistability at a nonlinear interface (A), JOSA 69: 1421
- Smith, Peter L.** See Cardon, Bartley L., JOSA 68: 1447; Lombardi, Gabriel G., JOSA 69: 1289
- Smith, R. C.**
- ; Goodman, Joseph W.: Numerical simulation of laser speckle (A), JOSA 65: 1196
- Smith, R. G.** See Brackett, C. A., JOSA 66: 391; Chen, F. S., JOSA 66: 391; Hackett, W. H., Jr., JOSA 67: 709
- Smith, Rex L.** See Thiel, Frank L., AO 13: 240
- Smith, Richard C.**
- ; Marsh, James S.: Diffraction patterns of simple apertures (TE), JOSA 64: 798
- Smith, Robert A.** See Panish, Steven C., JOSA 69: 1444; Swift, Dan J., JOSA 68: 1380, JOSA 69: 1444
- Motion effect and after effect that are contingent upon depth (A), JOSA 65: 1180
- Size discrimination at low spatial frequencies (A), JOSA 69: 1443
- Smith, Robert B.** See Dalgoutte, David G., AO 14: 1860
- Analytic solutions for linearly tapered directional couplers (T), JOSA 66: 882
- Smith, S. D.** See Miller, D. A. B., AO 17: 3840; Weaire, D., OL 4: 331
- Smith, S. G.** See Hall, J. S., JOSA 66: 1068
- Smith, S. J.**
- ; Hill, C.; Pulos, Elizabeth: Analysis of cathode ray tubes generated spatial sine-wave grating stimuli (A), JOSA 66: 1120



- Smith, S. S.** See Moreland, J. C., JOSA 64: 1387
- Smith, T.** See Brooks, Lawrence D., JOSA 68: 1385
- Smith, T. C.** See Boivin, L. P., AO 17: 3067
- Smith, T. I.** See Deacon, D. A. G., JOSA 67: 1369
- Smith, Tennyson**  
Optical constants of copper and nickel (E), JOSA 67: 48
- Smith, Vivianne C.** See Bowen, Richard W., JOSA 67: 1501; Burns, Stephen A., JOSA 69: 1405; JOSA 69: 1406; Pokorny, Joel, JOSA 66: 1103; JOSA 65: 1522; JOSA 66: 705; JOSA 67: 1196; JOSA 69: 103; JOSA 69: 1049
- ; Pokorny, Joel; Newell, Frank W.: Autosomal recessive incomplete achromatopsia with deutan luminosity (A), JOSA 68: 1392
- ; Pokorny, Joel: Large-field trichromacy in dichromats: intensity invariance of matches (A), JOSA 66: 1103
- ; Pokorny, Joel: Large-field trichromacy in protanopes and deutanopes (E), JOSA 67: 213
- ; Pokorny, Joel: Prediction of color-matching functions (A), JOSA 67: 1375
- ; Pokorny, Joel: Unique color defect in an incomplete typical achromat (A), JOSA 67: 1381
- Smith, W. Hayden**  
—; Born, Joachim; Cochran, William D.; Gelfand, Jack: Spectroscopic photoelectric imaging Fabry-Perot interferometer: its development and preliminary observational results (E), AO 15: 717
- Smith, W. I. B.** See Greenwald, M., AO 16: 587
- Smith, W. Lee.** See Lotem, Haim, JOSA 66: 78; Weber, Marvin J., JOSA 68: 542  
KDP and ADP transmission in the vacuum ultraviolet (E) (L), AO 16: 1798
- ; Hickey, John R.; Howell, H. B.; Jacobowitz, H.; Hilleary, D. T.; Drummond, A. J.: Nimbus-6 earth radiation budget experiment (E), AO 16: 306
- ; Hilleary, D. T.; Fischer, J. C.; Howell, H. B.; Woolf, H. M.: Nimbus-5 ITPR experiment (E), AO 13: 499
- ; DeGroot, A. J.; Weber, Marvin J.: Silicon vidicon system for measuring laser intensity profiles (E), AO 17: 3938
- Smith, W. R.** See Loh, K. W., AO 15: 156
- Smith, W. Scott.** See Shannon, Robert R., JOSA 68: 539; JOSA 68: 1367
- ; Richard, Ralph: Actuator requirements for active optical components (A), JOSA 66: 1137
- Smith, Warren J.**  
Lens Design Fundamentals. By Rudolf Kingslake (B), JOSA 69: 204
- Smithgall, D. H.**  
—; Watkins, L. S.; Frazee, R. E., Jr.: High-speed noncontact fiber-diameter measurement using forward light scattering (E), AO 16: 2395
- Smithies, D.**  
Advances in Radiation Research, Physics and Chemistry, Volume 1. Edited by J. E. Duplan and A. Chapiro (B), AO 13: 9A18  
Molecules and Radiation: an Introduction to Modern Molecular Spectroscopy. By J. I. Steinfeld (B), AO 17: 3514
- Smithline, Leonard M.**  
Accommodative response to blur (E), JOSA 64: 1512
- ; Wolga, G. J.: Automatic high-precision determination of the optical thickness of thin films (A), JOSA 69: 1434
- Smits, A. J.**  
—; Perry, A. E.: Optimization of LDV geometry (T), AO 18: 1097
- Smits, R. G.** See Buffington, Andrew, JOSA 67: 298
- Smolinska, B.** See Ganko, T., AO 13: 2770; Kalestynski, A., AO 16: 24; AO 16: 2261
- Smolka, F. M.** See Caudell, T. P., AO 18: 1305; Light, W. D., AO 17: 3518; AO 18: 1139
- ; Brown, Timothy M.; Hill, H. A.: Corner cube interferometer using extended sources (TE), AO 15: 2423
- Optical fiber preform measurement using forward light scattering (A), JOSA 69: 1462
- ; Hill, H. A.: Room temperature vulcanizing silicone rubber as an optical element (E) (L), AO 16: 292
- ; Hill, H. A.: SCLERA filter: an interferometric tunable optical filter (A), JOSA 66: 1089
- ; Caudell, T. P.: Surface profile measurement and angular deflection monitoring using a scanning laser beam: a noncontact method (ET), AO 17: 3234
- Smyth, Kermit C.** See King, David S., AO 16: 2617; Schenck, Peter K., JOSA 68: 626
- Smyth, R.**  
Direction-sensitive simultaneous multivelocity component LDV (E) (L), AO 17: 2855
- Smythe, William D.**  
—; Jackson, Bernard V.: Atmospheric water vapor at South Pole (E) (L), AO 16: 2041
- Snively, Benjamin B.**  
Electroluminescence. Edited by J. I. Pankove (B), JOSA 68: 552
- Snelling, D. R.** See Arnold, S. J., JOSA 68: 652
- Snider, D. E.** See Rothman, L. S., AO 17: 507
- Smith, T. G., Jr.** See Resnik, Judith A., JOSA 68: 937
- Snitzer, Elias.** See Meltz, G., JOSA 69: 1448; JOSA 69: 1462; Smith, Luther, AO 13: 1290
- Snow, Edward H.** See Tull, Robert G., AO 14: 1182
- Snow, Kenneth A.**  
Lasers and Their Applications. By Michael John Beesley (B), JOSA 67: 989
- Snyder, Allan W.** See Israelachvili, Jacob, JOSA 65: 221; Love, John D., AO 15: 2121; JOSA 65: 1072; JOSA 65: 1241; McIntyre, Peter D., JOSA 64: 285; JOSA 68: 149; Pask, Colin, AO 13: 1889; AO 15: 1295; JOSA 64: 393; JOSA 65: 356; Sammut, Rowland A., AO 15: 477; AO 15: 1040; AO 15: 2953; JOSA 64: 1711; White, Ian A., AO 16: 1470; JOSA 67: 703
- ; McIntyre, Peter D.: Crosstalk between light pipes (T), JOSA 66: 877
- ; Mitchell, D. J.; Pask, Colin: Failure of geometric optics for analysis of circular optical fibers (T), JOSA 64: 608
- ; Sammut, Rowland A.: Fundamental (HE<sub>11</sub>) modes of graded optical fibers (T), JOSA 69: 1663
- ; Pask, Colin: Geometric optics limit of Marcuse's coupled power equations (T) (L), AO 15: 868
- ; Love, John D.: Goos-Haenchen shift (T), AO 15: 236
- ; Mitchell, D. J.: Leaky rays on circular optical fibers (T), JOSA 64: 599
- Light absorption in visual photoreceptors (T), JOSA 64: 216
- ; Young, William R.: Modes of optical waveguides (T), JOSA 68: 297
- ; Miller, William H.: Photoreceptor diameter and spacing for highest resolving power (T) (L), JOSA 67: 696
- Pulse distortion in the ultimate multimode optical fiber (T), AO 15: 1290
- ; Mitchell, D. J.: Ray attenuation in lossless dielectric structures (T), JOSA 64: 956
- Theory of Dielectric Optical Waveguides. By Dietrich Marcuse (B), JOSA 64: 1569
- Snyder, D.** See Wang, Charles P., AO 13: 98
- Snyder, Harry L.**  
Integrated measure of image quality for electronic displays (A), JOSA 67: 1411
- Snyder, J. F.** See Blake, K., AO 13: 1272
- Snyder, J. J.**  
Paraxial ray analysis of a cat's-eye retroreflector (T), AO 14: 1825
- Paraxial ray analysis of a cat's-eye retroreflector: reply to comments (T) (L), AO 15: 1691
- So, C. K.** See Nayar, P. S., AO 16: 289
- So, V. O.-Y.** See Normandin, R., JOSA 69: 1153; Rowell, N. L., JOSA 67: 1410
- ; Normandin, R.; Stegeman, George I.: Field analysis of harmonic generation in thin-film integrated optics (T), JOSA 69: 1166
- So, Yuen Tat.** See Shapley, Robert M., JOSA 68: 1427
- Soares, O. D. D.**  
Hologram repositioning by an interferometric technique (ET), AO 18: 3838
- Sobagaki, H.** See Takahama, K., JOSA 67: 651
- ; Yamanaka, T.; Takahama, K.; Nayatani, Y.: Chromatic-adaptation study by subjective-estimation method (ET), JOSA 64: 743
- Sobieski, Stanley**  
Low light level devices for science and technology, SPIE/SPSE Technical Symposium East: seminar 4, 21-23 Mar 1976 (M), AO 15: 1665
- Ultraviolet response of semitransparent multialkali photocathodes (E) (L), AO 15: 2408
- Sobolev, V. S.** See Dubnitshev, Yu. N., AO 14: 180
- Socino, G.** See Alippi, A., AO 15: 811; AO 15: 2400
- Sodha, M. S.**  
—; Nayyar, V. P.; Tripathi, V. K.: Asymmetric focusing of a laser beam in TEM<sub>01</sub> doughnut mode in a nonlinear dielectric (T), JOSA 64: 941
- ; Nayyar, V. P.: Thermal self-focusing of TEM<sub>01</sub> laser beams and ring-shape self-focusing of two specific mixtures of modes (T), JOSA 65: 1027
- Soemarjono, Achmad**  
—; Hirano, Nobuo: Image synthesis based on the phase measurable optical interferometry (A), JOSA 66: 634
- Soffer, B. H.** See Armand, A., JOSA 68: 1361; JOSA 68: 1361; Kikuchi, Ryoichi, JOSA 67: 1656; Tseng, David Y., JOSA 66: 1128
- Soha, J. M.** See Schwartz, Arnold A., AO 16: 1779
- Soileau, M. J.** See Leung, K. M., JOSA 66: 383; Porteus, J. O., AO 15: 2024; Saito, Theodore T., JOSA 64: 536; AO 14: 266
- ; Wang, Victor: Improved damage thresholds for metal mirrors (E) (L), AO 13: 1286
- Self-focusing in laser-induced breakdown of transparent materials (A), JOSA 69: 1471
- Sojka, Brian Z.** See Bruce, Charles W., AO 15: 2970; Watkins, Wendell R., JOSA 67: 1442; JOSA 67: 1442; JOSA 68: 1425; AO 18: 1149; AO 18: 1582
- Sola, Marcos C.** See Bergemann, Richard J., JOSA 68: 541
- ; Bergemann, Richard J.: Multispectral propagation measurements through snow (A), JOSA 68: 541
- Solarz, R. W.** See Carlson, L. R., JOSA 66: 846; Worden, Earl F., JOSA 67: 1418; JOSA 68: 52
- ; Johnson, S. A.; Preston, R. K.: State-to-state reaction rates of laser-excited strontium atoms with hydrogen halides (A), JOSA 68: 335
- Soldo, Dunja.** See Henc-Bartolic, Visnja, JOSA 64: 1720; JOSA 68: 259
- Soli, R. A.**  
—; Soonpaa, Henn H.: Evaluation of the Shamir-Graeff method for measuring optical constants of thin films (ET) (L), AO 18: 3367
- Solimeno, S.** See Crosignani, Bruno, AO 16: 2033
- Sollid, Jon E.** See Miller, John R., AO 17: 852; Reichelt, W. H., JOSA 68: 543
- ; Thomas, Scott J.; Phipps, Claude R., Jr.: Damage threshold variation with spot size at 10.6  $\mu$ m for Kalvar and Polaroid films (E) (L), AO 18: 424
- ; Lessner measurement of Gaussian laser beam divergence (A), JOSA 68: 1436
- ; Phipps, Claude R., Jr.; Thomas, Scott J.; McLellan, Edward J.: Lensless method of measuring Gaussian laser beam divergence (ET) (L), AO 17: 3527
- Reflection suppression for a high-gain CO<sub>2</sub> laser system (A), JOSA 67: 1405
- ; Sladky, R. E.; Reichelt, W. H.; Singer, Sidney: Single-point diamond-turned copper mirrors: figure evaluation (E) (L), AO 15: 1656
- ; Thomas, Scott J.; Foley, Edward; Phipps, Claude R., Jr.: Threshold of detection for various materials at 10.6  $\mu$ m (E) (L), AO 17: 2670
- Solomin, A. Z.**  
—; Alexopoulos, Nikolaos G.: Improvement of the coupling efficiency between LEDs and optical fibers (T), AO 18: 2062
- Solomon, D. E.** See Nolen, R. L., Jr., JOSA 68: 544; JOSA 68: 544
- ; Henderson, T. M.; Nolen, R. L., Jr.; Rensel, W. B.: Target fabrication for inertial confinement fusion research (A), JOSA 68: 545
- Solomon, Robert D.**  
Luminance-scaled chromaticity transform (A), JOSA 65: 1174
- Solomon, W. C.** See Baumann, W., AO 13: 2823; Zelazny, S. W., AO 15: 1164
- Soltzberg, L. J.**  
High-path-difference optical compensator: its use in the observation of solid-solid phase transformations (E), AO 14: 1664
- ; Athearn, Marion W.; Levy, Judith E.; Simpson, Ellen L.: Interferometric study of a solid-solid phase transition (E), AO 16: 3206
- Solymar, Laszlo**  
—; Sheppard, C. J. R.: Two-dimensional theory of volume holograms with electric polarization in the plane of the grating (T), JOSA 69: 491



- Som, S. C.** See Budhiraja, C. J., JOSA 66: 1061; Chowdhury-Som, Chitralekha, JOSA 65: 1195; Datta, A. K., AO 14: 1516, AO 14: 1524
- Matrix treatment of diffusing layers (A), JOSA 65: 1179**
- Modulated holographic grating (E) (L), AO 13: 2767**
- ; Budhiraja, C. J.: Noise reduction by continuous addition of subchannel holograms (TE), AO 14: 1702
- Television based Fourier holographic system: comments (T) (L), AO 14: 1763**
- Soma, Takashi.** See Idesawa, Masanori, AO 16: 2152
- Somekh, S.**
- ; Garmire, E.; Yariv, Amnon; Garvin, H. L.; Hunzberger, R. G.: Channel optical waveguides and directional couplers in GaAs—imbedded and ridged (ET), AO 13: 327
- ; Casey, H. C., Jr.: Dry processing of high resolution and high aspect ratio structures in GaAs-Al<sub>0.3</sub>Ga<sub>0.7</sub>As for integrated optics (E), AO 16: 126
- ; Casey, H. C., Jr.; Ilegems, M.: Preparation of high-aspect ratio periodic corrugations by plasma and ion etching (E) (L), AO 15: 1905
- Somers, L. E.**
- Image processing in radio astronomy (A), JOSA 66: 171**
- Somers, William W.** See Fry, Glenn A., JOSA 64: 717
- Sommerstein, S. F.**
- Improved miniature long-lived UV light source (E) (L), AO 15: 2968**
- Sommerstein, Stephen.** See Caulfield, Henry John, AO 16: 774
- Sommargren, Gary E.**
- Double-exposure holographic interferometry using commonpath reference waves (ET), AO 16: 1736**
- Heterodyne profilometer for measuring surface microstructure (A), JOSA 69: 1404**
- Phase-shift double-exposure holographic interferometry (A), JOSA 65: 1186**
- Up-down frequency shifter for optical heterodyne interferometry (T) (L), JOSA 65: 960**
- Sona, A.** See Bellani, V. Fossati, AO 13: 1337
- Sonder, E.** See Modine, F. A., AO 14: 757
- Song, J. J.** See Levenson, Marc D., JOSA 66: 641
- ; Lee, J. H.; Levenson, Marc D.: Low-frequency dispersion of the third-order nonlinear susceptibility (A), JOSA 68: 645
- ; Cromer, C.; Scarpato, M.; Lee, J. H.; Levenson, Marc D.: Polarization sensitive nonlinear spectroscopy with a Faraday rotator (A), JOSA 69: 1476
- Sonnenschein, C. M.** See Jelalian, A. V., JOSA 64: 539
- Sonntag, Henry E.**
- Experimental determination of the optimum conditions for heterodyne detection of optical fields (A), JOSA 65: 1199**
- Sonoda, H.**
- ; Kikkawa, A.; Suzuki, N.: Statistics of photoelectric pulses for Gaussian-Lorentzian light (TE), AO 17: 1006
- SooHoo, J.**
- ; Hayes, C. L.: Phase locking of a multimode to a single-mode He-Ne laser (ET), OL 4: 172
- SooHoo, L. B.** See Coulson, K. L., AO 13: 497
- Soonpaa, Henn H.** See Jones, M. L., JOSA 64: 1591; Soli, R. A., AO 18: 3367; Zogg, Jodie A., JOSA 66: 996
- Sooy, Walter R.** See Linford, Gary J., AO 13: 379
- Sopori, B. L.** See Becker, Richard A., AO 17: 1069; Chang, M. S., AO 14: 1572
- ; Keeling, M. C.: Detection of hairline cracks in textured silicon solar cells (E) (L), AO 18: 605
- ; Chang, William S. C.: Evaluation of large-area GaAsP heterostructure waveguides for 1.06 and 0.905  $\mu$ m wavelengths (A), JOSA 66: 291
- ; Chang, William S. C.: Propagation characteristics of GaAsP heterostructure waveguides for 1.06  $\mu$ m and 0.905  $\mu$ m wavelengths: an evaluation (ET), AO 15: 789
- ; Gurtler, R. W.: Properties of laser/electron beam crystallized silicon ribbons (A), JOSA 69: 1468
- Soref, Richard A.** See McMahon, D. H., OL 3: 136; Nelson, Arthur R., JOSA 65: 1214, AO 16: 119; Spillman, William B., Jr., AO 17: 3822
- ; Nelson, Arthur R.: Compound optical crosspoint with low crosstalk (E), AO 16: 3223
- ; Schissler, L. R.: Crosstalk reduction in optical switching (T) (L), AO 14: 2559
- Liquid-crystal fiber-optic switch (E), OL 4: 155**
- Properties of the terminated optical crossbar matrix (T) (L), AO 15: 2950**
- Sorensen, G.** See Andersen, T., JOSA 64: 891
- Sorensen, J. A.** See Sydor, M., AO 18: 3574
- Soriaga, M. P.** See Kachare, A., JOSA 64: 1450
- Sorokin, P. P.** See Bethune, D. S., JOSA 68: 709, JOSA 68: 1639, JOSA 69: 372, OL 4: 103
- Sorrentino, Roberto.** See Giannini, Franco, AO 18: 3048
- Sottini, S.** See Righini, Giancarlo C., AO 13: 1019
- Sottini, Stefano**
- ; Russo, Vera; Righini, Giancarlo C.: General solution of the problem of perfect geodesic lenses for integrated optics (T), JOSA 69: 1248
- Soule, D. E.**
- ; Smith, D. W.: Infrared spectral emittance profiles of spectrally selective solar absorbing layers at elevated temperatures (A), JOSA 67: 251
- ; Smith, D. W.: Infrared spectral emittance profiles of spectrally selective solar absorbing layers at elevated temperatures (TE), AO 16: 2818
- Soures, J. M.** See Bunkenburg, J., JOSA 68: 542; Eastman, Jay M., JOSA 68: 542; Lubin, M., JOSA 66: 390
- ; Seka, W.; Brown, David C.; Kumpan, Steven A.; Bunkenburg, J.: Experimental and theoretical characterization of the Omega prototype laser beamline (A), JOSA 68: 542
- ; Kumpan, S.; Hoose, J.: High power Nd:glass laser for fusion applications (E), AO 13: 2081
- Southwell, W. H.** See Massie, N. A., JOSA 69: 1465; Scott, Paul W., JOSA 69: 1456
- Asymptotic solution of the Huygens-Fresnel integral in circular coordinates (T), OL 3: 100**
- Beam expander telescope design utilizing fast spherical primaries (A), JOSA 68: 1374**
- Beam expander telescope design utilizing fast spherical primaries (T), AO 18: 1240**
- Geodesic optical waveguide lens analysis (T), JOSA 67: 1293**
- Geodesic profiles for equivalent Luneburg lenses (L), JOSA 69: 792**
- Index profiles for generalized Luneburg lenses and their use in planar optical waveguides (T), JOSA 67: 1010**
- Inhomogeneous optical waveguide lens analysis (T), JOSA 67: 1004**
- Mode discrimination of unstable resonators with spatial filters and by phase modification (T), OL 4: 193**
- Multilayer coatings producing 90° phase change (T) (L), AO 18: 1875**
- Wave-front analyzer using a maximum likelihood algorithm (T), JOSA 67: 396**
- ; Massie, N. A.; Hartlove, J. S.: Wave-front sensor using far-field irradiance measurement (A), JOSA 69: 1468
- Southworth, Glen.** See Bernal G., Enrique, JOSA 66: 1117
- Sowers, B. L.** See Mantz, Arlan W., AO 13: 193
- Spaeth, Mary L.** See Linford, Gary J., AO 13: 379
- Sparks, David L.**
- Role of the superior colliculus in the control of visually elicited saccadic eye movements (A), JOSA 66: 1086**
- Sparks, M.** See Flannery, M., AO 18: 1428; Sen, P. N., JOSA 68: 1448
- Calculating the optical properties of multilayer-dielectric reflectors (E), JOSA 67: 1590**
- ; Flannery, M.: Description of multilayer dielectric reflectors, JOSA 69: 993
- ; Loh, E., Jr.: Temperature dependence of absorbance in laser damage of metallic mirrors: I. Melting (T), JOSA 69: 847
- ; Loh, E., Jr.: Temperature dependence of absorbance in laser damage of metallic mirrors: II. Vaporization and heating the vapor (T), JOSA 69: 859
- Sparks, Stephen D.** See Bates, Clayton Wilson, Jr., AO 14: 1484
- Sparrow, E. M.** See Ruiz-Urbieta, M., AO 14: 485
- Sparrow, J. G.**
- ; Weinberg, J. L.; Hahn, R. C.: Ten-color Genschein—zodiacal light photometer (E), AO 16: 978
- Spears, D. L.** See Ku, R. T., OL 1: 84
- ; Strause, A. J.; Chinn, S. R.; Melngailis, I.; Vohl, P.: CdTe waveguide devices and HgCdTe epitaxial layers for integrated optics (A), JOSA 66: 290
- Spears, Kenneth G.**
- ; Hoffland, Lynn; Loyd, Robert: Dewar design for temperature tuned SHG (E), AO 16: 1172
- Speck, D. R.** See MacQuigg, David R., JOSA 67: 250; Simmons, W. W., JOSA 68: 547, AO 17: 999; Summers, M. A., JOSA 68: 547
- Spector, Nissan.** See Garpman, Sten, JOSA 66: 904; Sugar, Jack, JOSA 64: 1484
- ; Sugar, Jack: Analysis of the fourth spectrum of terbium (Tb IV) (ET), JOSA 66: 436
- ; Garpman, Sten: Radiative lifetimes, absolute transition probabilities, and oscillator strengths in Kr II (T), JOSA 67: 155
- ; Garpman, Sten: Relative transition probabilities in Kr II (A), JOSA 65: 1187
- ; Zigler, A.; Zmora, H.: Spectra of highly ionized Cr, Fe, Co, and Ni emitted from laser produced plasma (A), JOSA 68: 1389
- Speer, R. J.**
- ; Chrisp, M.; Turner, D.; Mrowka, S.; Tregidgo, K.: Grazing incidence interferometry: the use of the Linnik interferometer for testing image-forming reflection systems (E), AO 18: 2003
- Holographically formed gratings for x-ray spectroscopy (A), JOSA 65: 1214**
- ; Turner, D.; Johnson, Ronald L.; Rudolph, D.; Schmah, G.: Holographically formed grazing-incidence reflection grating with stigmatic soft x-ray focal isolation (E) (L), AO 13: 1258
- Spekreijse, H.** See van den Berg, T. J. T. P., JOSA 67: 1210
- Spellicy, Robert L.** See Watkins, Wendell R., JOSA 67: 1442, AO 18: 1582
- Spencer, D. J.** See Shimabukuro, F. I., AO 15: 1115
- ; Denault, G. C.; Takimoto, H. H.: Atmospheric gas absorption at DF laser wavelengths (ET), AO 13: 2855
- ; Wittig, Curt: Atomic bromine chemical laser (A), JOSA 68: 652
- ; Wittig, Curt: Atomic bromine electronic-transition chemical laser (E), OL 4: 1
- Spencer, Domina Eberle**
- ; Gaston, Eugene A.: Calculations with reflectance (A), JOSA 64: 546
- ; Gaston, Eugene A.: Current definitions of reflectance (T), JOSA 65: 1129
- ; Gaston, Eugene A.: Tensor representation of reflectance and transmittance (A), JOSA 65: 1179
- Spencer, James L.**
- Long-term statistics for atmospheric turbulence near the ground (A), JOSA 68: 539**
- Spencer, R. S.** See Herzig, H., AO 17: 3031
- Sperling, George.** See Burt, Peter, JOSA 68: 1365
- Sperling, Harry G.** See Crawford, M. L. J., JOSA 66: 1087
- Annual meeting, OSA, Houston, 15-18 Oct 1974 (M), AO 14: 257**
- ; Johnson, Clement: Effects on rhesus-monkey spectral sensitivity and visual receptor morphology of prolonged, repeated, intense spectral-light exposure (A), JOSA 64: 1397
- Speroni, N.** See Vernin, J., AO 18: 243
- Speroni, Neri.** See Barletti, Raffaele, AO 16: 2419, JOSA 66: 1380
- Spicer, W. E.** See Bauer, R. S., JOSA 64: 830
- Photoemission in Solids I: General Principles.** Edited by M. Cardona and L. Ley (B), JOSA 69: 1625
- Spies, L.** See Bergmann, U., AO 15: 3084
- Spikes, John D.**
- Scope of photobiology (A), JOSA 64: 533**
- Spiller, Eberhard**
- Coatings for the far UV region (A), JOSA 66: 161**
- ; Harper, John S.: High resolution lenses for optical waveguides (TE), AO 13: 2105
- Interference filters for the ultraviolet and the surface plasmon of aluminum (A), JOSA 64: 548**
- Interference filters for the ultraviolet and the surface plasmon of aluminum (ET), AO 13: 1209**



- Limits and applications of imaging with soft x rays (A), JOSA 69: 1471
- Reflective multilayer coatings for the far UV region (R), AO 15: 2333
- ; Feder, R.; Topalian, J.; Eastman, D.; Gudat, W.; Sayre, D.: X-ray microscopy of biological objects with carbon K $\alpha$  and with synchrotron radiation (A), JOSA 66: 78
- Spillman, L. See Oehler, R., JOSA 68: 1399
- Spillman, William B., Jr. See McMahon, D. H., JOSA 69: 443
- ; Gravel, Robert L.; Soref, Richard A.: Fail-safe fiber-optics data bus using active multimode mirror terminals (E), AO 17: 3822
- Mechanical one-to-many fiber-optic switch (ET), AO 18: 2068
- Spillmann, Lothar. See Wooten, Billy R., JOSA 65: 334
- Spinhrne, James. See Bufton, Jack L., JOSA 69: 1399
- Monitoring of tropospheric aerosol optical properties by lidar (A), JOSA 67: 258
- Spinrad, Richard W.
- ; Zaneveld, J. Ronald V.; Pak, Hasong: Volume scattering function of suspended particulate matter at near-forward angles: a comparison of experimental and theoretical values (ET), AO 17: 1125
- Spiro, Thomas G.
- Resonance Raman spectroscopy (A), JOSA 68: 1432
- Spitz, E. See d'Auria, L., AO 13: 808; Huignard, J. P., OL 4: 21
- Spitzer, D.
- ; Bosch, J. J. Ten: Luminescence of turbid materials: a theoretical model and its comparison with experiment (ET), AO 15: 934
- ; Wernand, M. R.: Photon irradiance sensor (E) (L), AO 17: 12
- ; Wernand, M. R.: Photon scalar irradiance meter (E) (L), AO 18: 1698
- Refractive indices of powdered materials and materials with nonspecularly reflecting surfaces: a simple method of determination (E) (L), AO 14: 1489
- ; Borsboom, P. C. F.: Refractive indices of powdered materials: improvement of the method (E) (L), AO 15: 2301
- Spjelkavik, B. See Ersoy, O., AO 14: 21
- Sprague, F. W. See Bell, A. E., JOSA 67: 1403
- Sprague, Robert A. See Nisenson, Peter, JOSA 64: 1402, AO 14: 2602
- Acoustooptic snapshot PROM: a real-time optical-signal spectrum analyzer (E), AO 17: 2762
- Acousto-optic snapshot PROM: real-time optical signal spectrum analyzer (A), JOSA 66: 1089
- ; Ford, Peter W.; Frattarola, Joseph R.: Laser-scanning inspection of bifocal lenses (A), JOSA 64: 558
- ; Koliopoulos, Chris L.: Time-integrating acousto-optic correlator (A), JOSA 65: 1178
- ; Koliopoulos, Chris L.: Time integrating acoustooptic correlator (E), AO 15: 89
- Springer, Robert M. See Hamerly, James R., JOSA 68: 1454
- ; Dvorak, Charles A.: Perceived sharpness of perceptually square gratings (A), JOSA 69: 1444
- ; Hamerly, James R.: Suprathreshold information processing in the visual system: prediction of line darkness as a function of width from a preliminary visual model (A), JOSA 67: 1411
- Springer, Robert W.
- ; Catlett, Duane S.: Controlling surface finished in vacuum deposited coating for laser fusion targets (A), JOSA 68: 550
- Strength optimization of coatings using material laminate techniques (A), JOSA 68: 550
- SpringThorpe, A. J.
- ; Garel-Jones, P. M.: Visual evaluation of defects in GaAs-based solar cells (E) (L), AO 17: 2857
- Sproule, O. E. See Bates, B., AO 17: 2119
- Spurgeon, David
- Gerhard Herzberg, "The Prize" (N), AO 17: 1903
- Sreenivasiah, I.
- ; Ishimaru, Akira: Beam wave two-frequency mutual-coherence function and pulse propagation in random media: an analytic solution (T), AO 18: 1613
- Srinath, L. S. See Sarma, A. V. S. S. R., JOSA 66: 976
- Srinivasan, Mandyam V.
- Visual information processing by the housefly: The roll response (A), JOSA 67: 1415
- Sriram, S. See Boyd, J. T., AO 17: 895
- Srivastava, R. P. See van Kleef, Th. A. M., JOSA 67: 1525
- Srivastava, Ramakant. See Barbosa, F. R., JOSA 68: 1383
- Sri Vatsa, Laxmipuram P.
- Production of Newton's rings (E) (L), AO 13: 1544
- Staaf, O. See Alvarez, E., OL 4: 268
- Staal, John. See Hoag, Ethan D., AO 13: 1959
- Staats, P. A. See Vander Sluis, K. L., JOSA 67: 1404
- Stabell, Bjoern. See Stabell, Ulf, JOSA 69: 1648
- Stabell, Ulf
- ; Stabell, Bjoern: Bezold-Bruecke phenomenon of the extrafoveal retina (TE), JOSA 69: 1648
- Stachnik, R. V. See Nisenson, Peter, JOSA 66: 1077, JOSA 67: 1391, JOSA 68: 169
- Stachnik, William J.
- LOOK SEA laser-illuminated underwater viewing system (A), JOSA 66: 381
- Staebler, D. L.
- Binocularly induced motion of flicker patterns (E) (L), JOSA 66: 156
- ; Phillips, W.: Fe-doped LiNbO<sub>3</sub> for read-write applications (ET), AO 13: 788
- Staelin, David H. See Shao, Michael, JOSA 67: 81
- Stafludd, Oscar M. See Casperson, Lee W., JOSA 65: 1166; Pedinoff, M. E., JOSA 67: 252, AO 16: 2849, AO 18: 201; Yeh, Y. C., AO 15: 127
- Stair, A. T., Jr. See Huppi, E. R., AO 13: 1466; Huppi, Ronald J., AO 18: 3394
- ; Ulwick, J. C.; Baker, K. D.; Baker, Doran J.: Infrared observations in the auroral region (A), JOSA 64: 1371
- Stalker, K. Terry. See Hessel, Kenneth R., JOSA 65: 1224
- Digital reconstruction of one-dimensional coded-aperture imagery (A), JOSA 67: 1417
- ; Hessel, Kenneth R.: Fresnel-zone-plate imaging of a <sup>252</sup>Cf fission source (A), JOSA 65: 1189
- Noise characteristics of an intensified imaging system for x-ray cinematography (A), JOSA 69: 1426
- ; Lee, Sing H.: Use of nonlinear optical elements in optical information processing (A), JOSA 64: 545
- Stamatoff, J. See Berreman, Dwight W., AO 16: 2081
- Stamm, G. L.
- ; Harria, L. A.: Sea echo measurements made with 1.06- $\mu$ m laser radiation (E) (L), AO 13: 2477
- Stamnes, Jakob J. See Gasper, John, JOSA 66: 955
- ; Sherman, George C.: Radiation of electromagnetic fields in uniaxially anisotropic media (T), JOSA 66: 780
- ; Sherman, George C.: Radiation of electromagnetic fields in biaxially anisotropic media (T), JOSA 68: 502
- ; Sherman, George C.: Reflection and refraction of an arbitrary wave at a planar interface separating two uniaxial crystals (A), JOSA 64: 527
- ; Sherman, George C.: Reflection and refraction of an arbitrary wave at a plane interface separating two uniaxial crystals (T), JOSA 67: 683
- ; Sherman, George C.: Solving for electromagnetic fields in uniaxial media by scaling fields in isotropic media (T) (L), JOSA 66: 974
- Stamper, J. A.
- Laser focal shift monitor (E) (L), AO 15: 2020
- Standke, W. W. See Bernal G., Enrique, JOSA 66: 1117
- Standley, R. D. See Burrus, C. A., AO 13: 2365; Ramaswamy, V., JOSA 65: 225, JOSA 67: 707, AO 17: 3014
- ; Ramaswamy, V.: Method for measuring parallel waveguide directional coupler parameters (A), JOSA 66: 289
- Stanford, J. L. See Rehn, Victor, AO 16: 1111
- Stanic, Steve
- Quantitative schlieren visualization (E), AO 17: 837
- Stansberg, C. T.
- Surface roughness measurements by means of polychromatic speckle patterns (ET), AO 18: 4051
- Stappaerts, E. A. See Komine, H., JOSA 69: 1477, OL 4: 398
- ; Long, William H., Jr.: Mode locking with a slow saturable absorber in a transverse resonator (ET), OL 3: 226
- Photochemical stability of rare-gas halide laser-pumped dyes (E) (L), AO 16: 3079
- Stark, E. E., Jr. See Reichelt, W. H., JOSA 64: 535
- ; Jansen, J.: CO<sub>2</sub> laser systems studies (A), JOSA 68: 546
- ; Leland, W. T.; Volkin, H. C.: Nanosecond pulse amplification in CO<sub>2</sub> at efficiencies exceeding 20% (A), JOSA 68: 547
- Stark, Henry. See Garcia, E., JOSA 64: 560; Lee, D., JOSA 64: 561, JOSA 65: 191; Mandelkorn, Fred, AO 15: 1881, AO 17: 175
- ; Mandelkorn, Fred: A posteriori focusing of out-of-focus planes in a tomogram (A), JOSA 66: 1110
- ; Naab, R.: Application of optimum coding sequences to computerized classical tomography (TE), AO 17: 3133
- ; Webb, Heywood: Bounds on errors in reconstructing from undersampled images (T) (L), JOSA 69: 1042
- ; Mandelkorn, Fred: Computerized tomosynthesis, serioscopy, and matched filtering (A), JOSA 67: 1406
- ; Shao, G.: Counting particles by size with an optical—digital training method (T), AO 16: 1670
- ; Lee, D.; Koo, B. W.: Counting quasicircular particles by an optical—digital method (TE), AO 15: 2246
- Diffraction patterns of nonoverlapping circular grains (T) (L), JOSA 67: 700
- ; Garcia, E.: Diffuser for producing texture masks for image processing (TE), AO 13: 648
- ; Garcia, E.: Image analysis using enhanced spatial correlation functions (ET), AO 13: 1828
- ; Sarna, Chander S.: Image reconstruction using polar sampling theorems (ET) (L), AO 18: 2086
- ; Naab, R.: Imaging by correlation of periodic sequences in conventional tomography (A), JOSA 68: 1437
- ; Dimitriadis, B.: Minimum-bias spectral estimation with a coherent optical spectrum analyzer (T), JOSA 65: 425
- ; Dimitriadis, B.: Minimum-bias spectral estimation with a coherent optical spectrum analyzer (errata), JOSA 65: 973
- Optical image processing by laser scanner (A), JOSA 65: 1177
- Optical Information Processing and Holography. By W. T. Cathey (B), AO 14: 2307
- Optical Information Processing. Edited by Yu. E. Nesterikhin, George W. Stroke, and Winston E. Kock (B), JOSA 67: 412
- ; Lee, D.: Optimum processing of Fourier irradiance data in particle-size analysis (A), JOSA 65: 1177
- ; Sarna, Chander S.: Polar sampling theorems and their application to image reconstruction (A), JOSA 69: 1442
- Sampling theorems in polar coordinates (T), JOSA 69: 1519
- ; Lee, D.; Dimitriadis, B.: Smoothing of irradiance spectra with finite-bandwidth windows, with application to particle-size analysis (T), JOSA 65: 1436
- Spectral properties of random arrays of grains: comment (T) (L), JOSA 68: 1782
- Stark, L. See Zeevi, Yehoshua Y., JOSA 69: 669
- Stark, Richard A.
- Evaluation of differential ray-trace technique (A), JOSA 69: 1429
- Starke, Jack P.
- Monte Carlo manufacturing simulation program (ZEALOT) (A), JOSA 69: 1429
- Starkweather, Gary
- Two novel laser scan systems (A), JOSA 68: 1373
- Starr, Stuart J. See Massof, Robert W., JOSA 68: 1399
- Starr, W. L. See Inn, Edward C. Y., JOSA 65: 1100
- Stauffer, D. R.
- Optical effects of shock front on nose-mounted optics (T), AO 13: 602
- Stavola, Michael
- ; Agostinelli, John A.; Sceats, Mark G.: Ultrafast pulse shaping with a traveling wave Kerr cell and picosecond rise time electrical pulses (E), AO 18: 4101



- Stavroudis, Orestes N.** See Mercado, R. L., JOSA 65: 1133
- ; Mercado, R. L.: Canonical properties of optical-design modules (T), JOSA 65: 509
- ; Fronczek, Ronald C.: Caustic surfaces and the structure of the geometrical image (T), JOSA 66: 795
- Diocles: On Burning Mirrors. By G. J. Toomer, Editor (B), AO 16: 1114
- ; Fronczek, Ronald C.; Chang, Rong-Seng: Geometry of the half-symmetric image (T), JOSA 68: 739
- Introduction to Matrix Methods in Optics. By A. Gerrard and J. M. Burch (B), JOSA 66: 392
- Matrices and Tensors in Physics. By A. W. Joshi (B), JOSA 67: 851
- Optical Surfaces. By Bohumil Jurek (B), JOSA 67: 989
- Optics of Nonimaging Concentrators. By W. T. Welford and R. Winston (B), JOSA 69: 1624
- Simpler derivation of the formulas for generalized ray tracing (T), JOSA 66: 1330
- Stearns, L. P.** See Kuhn, Peter M., OL 3: 130, AO 13: 512
- Stearns, R. See Harrington, James A.**, AO 17: 1541
- Stebbing, R. F.** See Rundel, R. D., JOSA 65: 718
- Stedman, M.** See Stuart, P. R., AO 15: 2618
- Steed, Allan J.**
- ; Baker, Doran J.: Night sky spectral emission measurements ( $\lambda 0.9$ – $2.3 \mu\text{m}$ ) using a field-widened interferometer-spectrometer (E), AO 18: 3386
- Steel, Duncan G.** See Lind, Richard C., JOSA 69: 372; Skupsky, Stanley, JOSA 68: 549; Vest, C. M., OL 3: 54
- ; Lam, Juan F.: Degenerate four-wave mixing in plasmas (T), OL 4: 363
- ; Thoros, E.; Yaakobi, B.; Perry, B.; Lee, C. M.; Hauer, A.; McCrory, R. L., Jr.; Skupsky, Stanley: X-ray spectroscopic measurement of  $qR$  and comparison with theory in laser-imploded targets (A), JOSA 68: 550
- Steel, W. H.** See Hariharan, P., OL 1: 8, AO 13: 721; Smartt, Raymond N., JOSA 69: 1455
- ; Wilkinson, F. J.: Argon lines from electrodeless mercury-198 lamps (E) (L), AO 17: 506
- Axicon means axial image (L), AO 18: 2089
- Field-widened Michelson spectrometer with no moving parts: comments (T) (L), AO 13: 2189
- Luminosity, throughput, or etendue? (R), AO 13: 704
- Luminosity, throughput, or etendue? further comments (L), AO 14: 252
- ; Noack, D. B.: Measuring the radius of curvature of soft corneal lenses (E) (L), AO 16: 778
- Why the sinc function should be defined as  $(\sin x)/x$  and not  $(\sin x)/\pi x$ : comments (T) (L), AO 13: 1734
- Steele, C. M.** See Crane, Hewitt D., AO 17: 691
- Stefanovitch, D.** See Langlet, A., AO 16: 1841
- Steffen, J.** See Engel, A., AO 13: 269; Indebetouw, G., AO 17: 911
- Stegeman, George I.** See May, W., AO 17: 1603, AO 17: 2873; Normandin, R., JOSA 69: 372, OL 4: 58, JOSA 69: 1153; Rowell, N. L., JOSA 67: 1410, JOSA 68: 1373; Sarid, Dror, JOSA 67: 1444; Sipe, J. E., JOSA 69: 1676; So, V. C. Y., JOSA 69: 1166; Teh, G. A., AO 17: 2483, AO 17: 3191, AO 18: 145
- Light scattering by sound waves near interfaces (A), JOSA 66: 1106
- ; Goruk, W. S.: Light scattering from surface acoustic waves near the Raman-Nath limit (A), JOSA 65: 1165
- Steger, P. J.** See Arnold, J. B., AO 14: 1777
- Stehle, O.** See Igenbers, E. B., AO 14: 2542
- Stehle, P.**
- Time-dependent spectra (T) (L), JOSA 69: 1043
- Steier, William H.** See Braverman, L. W., JOSA 66: 1108; Laakmann, Katherine D., AO 15: 1334, AO 15: 2029
- Steigenberger, Ursula.** See von Ortenberg, Michael, JOSA 67: 928
- Stein, A.** See Rabinowitz, P., OL 3: 147
- ; Rabinowitz, P.; Kaldor, Andrew: Radiance enhancement of the  $16\text{-}\mu\text{m}$   $\text{CF}_4$  laser (E), OL 3: 37
- Stein, David**
- ; Ward, Gray: Scattering from a polydispersion of tumbled spheroids (A), JOSA 67: 257
- Stein, S. R.** See Inguscio, Massimo, OL 4: 9
- ; Risley, Allan S.; Van de Stadt, H.; Strumia, Franco: High speed frequency modulation of far infrared lasers using the Stark effect (E), AO 16: 1893
- Steinbach, M. J.**
- ; Anastis, Stuart M.: Smoothly pursuing moving cyclopean gratings (A), JOSA 67: 1415
- Steinberg, G. N.** See Huchital, D. A., JOSA 66: 384; Mumola, Peter B., AO 17: 936
- Steinberg, R. A.**
- ; Giallorenzi, Thomas G.: Modal fields of anisotropic channel waveguides (T), JOSA 67: 523
- ; Giallorenzi, Thomas G.: Performance limitations imposed on integrated optical devices by polarization (A), JOSA 66: 289
- ; Giallorenzi, Thomas G.: Performance limitations imposed on optical waveguide switches and modulators by polarization (T), AO 15: 2440
- ; Giallorenzi, Thomas G.; Priest, Richard G.: Polarization-insensitive integrated-optical switches: a new electrode design (T), AO 16: 2166
- Steinberg, Richard**
- Dispersion minimization in dielectric waveguides: comment (T) (L), AO 13: 2461
- ; Diamant, Paul: Reduction of pulse dispersion in imperfect multimode fibers (T) (L), AO 15: 869
- Steiner, K.-H.** See Bouillie, R., AO 13: 1045
- ; Treheux, M.; Bouillie, R.: Multimode waveguide: a low-pass filter: supplementary comments (T) (L), AO 13: 1754
- Steinfeld, Jeffrey I.** See Burak, L., JOSA 68: 1642; Green, B. D., AO 15: 1688; Jensen, C. C., JOSA 68: 709
- Australian spectroscopy conference, eleventh, Brisbane, 28 Aug-1 Sep 1978 (M), AO 17: 3711
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- Impact of lasers in spectroscopy seminar SPIE, San Diego, 19-23 Aug 1974 (M), AO 14: 6
- Table of Laser Lines in Gases and Vapors; 2nd Edition. By R. Beck, W. Englisch, and K. Gurs (B), AO 17: 3854
- Steinger, J.** See Luethi, H. R., JOSA 68: 703
- Steinhaus, David W.**
- ; Kline, John V.: Calculation of the fractional order number of the center of a Fabry-Perot interferometer-fringe system (T), JOSA 65: 814
- Steinhaus, Ehud**
- ; Lipson, S. G.: Bimorph piezoelectric flexible mirror (TE), JOSA 69: 478
- Steinhorst, Gerhard**
- Recent measurements of twilight polarization (E) (L), AO 13: 219
- Steinle, B.** See Baltes, H. P., JOSA 67: 1366, JOSA 69: 910; Schmidt-Weinmar, H. G., JOSA 67: 1437
- ; Baltes, H. P.: Radiant intensity and spatial coherence for finite planar sources (T), JOSA 67: 241
- Steinman, Robert M.**
- ; Collerwijn, Han: How our two eyes are held steady (A), JOSA 68: 1359
- Steinmann, W.** See Saile, V., AO 15: 2559
- Steinmetz, L. L.** See Richardson, J. H., AO 16: 1133
- Steinwall, Ove.** See Hagard, Arne, JOSA 67: 260
- Stel'makh, O. M.** See Karlov, N. V., JOSA 68: 555
- Stencel, John M.** See Bradley, Eugene B., JOSA 68: 1448, JOSA 69: 1480
- Stenflo, J. O.**
- ; Biverot, H.; Stenmark, L.: Ultraviolet polarimeter to record resonance-line polarization in the solar spectrum around  $130\text{--}150 \text{ nm}$  (E), AO 15: 1188
- Stenhouse, I. A.**
- ; Williams, D. R.; Cole, J. B.; Swords, M. D.: Coherent anti-Stokes Raman spectroscopy measurements in an internal combustion engine (E), AO 18: 3819
- Stenius, ke S:son**
- Optical colors and luminous fluorescence of bluish whites (T), JOSA 65: 213
- Stenmark, E. B.** See Pinnick, R. G., JOSA 68: 540
- Stenmark, L.** See Stenflo, J. O., AO 15: 1188
- Stensby, P.** See Grum, Franc, JOSA 64: 210
- Stephan, C. H.** See Ruckdeschel, F. R., AO 17: 2043, AO 17: 3999
- Stephan, G.** See Le Floch, A., AO 15: 2673
- Stephan, H.-K.** See Kaase, H., AO 18: 2275
- Stephan, K. H.** See Wellegehausen, B., JOSA 68: 715
- ; Samuelsson, H.: Performance testing of electrostatically focused UV-visible image converters with deflection capability (E), AO 14: 2668
- Stephanakis, S. J.** See Cooperstein, G., JOSA 68: 545
- Stephany, Joseph F.**
- ; Gates, Ivo P.: Bimorph optical beam deflector (E) (L), AO 15: 307
- ; Haas, Werner E. L.: Keystone compensation for image storage systems (T), AO 15: 1626
- Matrix transform optical calculus for generalized linear dielectric media (T), AO 14: 1406
- Stephens, D. H.** See Mooradian, Gregory C., JOSA 68: 541, AO 18: 429
- Stephens, J. J.** See Ray, Peter S., AO 14: 2492
- ; Ray, Peter S.: Backscattered short pulse response of surface waves from dielectric spheres: comment (T) (L), AO 14: 1765
- ; Ray, Peter S.; Kitterman, T. W.: Far-field impulse response verification of selected high-frequency optics backscattering analogs (T), AO 14: 2169
- Stephens, P. J.** See Cheng, J. C., JOSA 65: 1031
- Stephens, Ronald R.**
- ; Lind, Richard C.: Experimental study of an adaptive-laser resonator (E), OL 3: 79
- Stephenson, David A.**
- ; Blint, Richard J.: Theoretical fitting of computer-processed laser Raman spectrum from methane- and propane-air flames (A), JOSA 68: 1448
- Stephenson, John C.**
- ; King, David S.: Initial distribution of energy and isotopic enrichment in the products of  $\text{CO}_2$  laser-induced dissociation of halocarbon molecules (A), JOSA 68: 684
- Stepowski, D.**
- Diffraction stimulated emission induced by two strong coherent crossed laser beams for concentration measurement (T), AO 18: 3967
- ; Cottreau, M. J.: Direct measurement of OH local concentration in a flame from the fluorescence induced by a single laser pulse (ET), AO 18: 354
- Stern, R. A.** See Axelrod, N. N., AO 14: 657
- Stern, Robert**
- ; Paresce, Francesco: Mass absorption coefficients of Parylene N at soft x-ray and vacuum-ultraviolet wavelengths (E) (L), JOSA 65: 1515
- Sternheim, Charles E.**
- ; Stromeyer, Charles F., III; Khoo, M. C. K.: Visibility of chromatic flicker upon spectrally mixed adapting fields (A), JOSA 68: 1399
- Stert, V.**
- ; Fischer, R.: Assignment of absorption lines by Doppler-free polarization spectroscopy (A), JOSA 68: 625
- Stetson, Karl A.** See Harrison, Irene R., JOSA 68: 1389; Levitt, J. A., AO 15: 195; Pryputniewicz, Ryszard J., JOSA 65: 1223, JOSA 69: 1402, AO 15: 725
- Advances in Holography, Volume 1. Edited by Nabil H. Farhat (B), JOSA 66: 636
- Analysis of double-exposure speckle photography with two-beam illumination (TE), JOSA 64: 857
- ; Harrison, Irene R.: Computer-aided holographic vibration analysis for vectorial displacements of bladed disks (A), JOSA 67: 1433
- ; Harrison, Irene R.: Computer-aided holographic vibration analysis for vectorial displacements of bladed disks (E), AO 17: 1733
- Film nonlinearities in speckle photography (A), JOSA 68: 1406
- Fringe interpretation for hologram interferometry of rigid-body motions and homogeneous deformations (T), JOSA 64: 1
- Fringe vectors and observed-fringe vectors in hologram interferometry (T) (L), AO 14: 272
- Holographic strain analysis by fringe-localization planes (T) (L), JOSA 66: 627
- Homogeneous deformations: determination by fringe vectors in hologram interferometry (T), AO 14: 2256
- Problem of defocusing in speckle photography, its connection to hologram interferometry, and its solutions (T), JOSA 66: 1267



- Projection matrices in hologram interferometry (T), JOSA 69: 1705
- Speckle in engineering measurement (A), JOSA 66: 183
- Use of fringe vectors in hologram interferometry to determine fringe localization (T) (L), JOSA 66: 626
- Vulnerability of speckle photography to lens aberrations (A), JOSA 67: 1390
- Vulnerability of speckle photography to lens aberrations (E), JOSA 67: 1587
- Stetter, F.**
- ; Esselborn, R.; Harder, N.; Friz, M.; Tolles, P.: Materials for optical thin films (E), AO 15: 2315
- ; Esselborn, R.; Friz, M.; Harder, N.; Tolles, P.: New materials for optical thin films (A), JOSA 66: 634
- Stettler, J. D.** See Holzer, J. A., AO 18: 312
- Stevenin, P.** See Clement, M., AO 13: 1621
- Stevens, Kent A.**
- Computation of locally parallel structure (A), JOSA 67: 1401
- Stevenson, Warren H.** See Anderson, Edward E., AO 14: 185; Durst, F., AO 15: 137, AO 15: 814, AO 18: 516; Grange, B. W., AO 15: 858; Hirleman, E. Dan, Jr., AO 17: 3496; Matekunas, F., AO 15: 1541; Sweeney, Donald W., AO 15: 2959
- Accuracy considerations in laser velocimetry (A), JOSA 66: 1129
- Laser Doppler Measurements. By B. M. Watrasiewicz and M. J. Rudd (B), AO 16: 2338
- Laser velocimetry—current technology and applications (A), JOSA 66: 382
- Steverding, B.**
- Thermal blooming vs linear absorption in a vertical beam (T) (L), AO 14: 2560
- Steward, W. G.**
- ; Kreith, F.: Stationary concentrating reflector cum tracking absorber solar energy collector: optical design characteristics, AO 14: 1509
- Stewart, A.** See Bass, Michael, JOSA 68: 1397
- Stewart, G.**
- ; Millar, C. A.; Laybourn, P. J. R.; Wilkinson, C. D. W.; de La Rue, R. M.: Planar optical waveguides fabricated by silver-ion migration in glass (A), JOSA 66: 292
- Stewart, G. L.** See Heflinger, L. O., AO 17: 951
- Stewart, Harold S.**
- ; Brouwer, Willem; Shuler, Marion P., Jr.: Design principles of a slant transmissometer for airport use (A), JOSA 67: 259
- ; Pierson, Arthur H.: Determination of atmospheric transmission from photographs of the sea (A), JOSA 64: 550
- ; Brouwer, Willem; Shuler, Marion P., Jr.; Fenn, Robert W.; Sullivan, J. A.; Suprin, F. P.: Fixed-angle three-wavelength nephelometer for balloon use (A), JOSA 66: 1088
- Transit time of light through clouds deduced from O<sub>2</sub> absorption measurements (A), JOSA 69: 1412
- Stewart, I. McC.** See Cutting, R. D., AO 14: 2707
- Stewart, James E.**
- Varifocal compensated lens for irradiation of flow cells (E) (L), AO 18: 5
- Stewart, Richard W.** See Bufton, Jack L., JOSA 69: 1398, AO 18: 3363; Matloff, Gregory L., AO 18: 3421
- Stewart, W. C.**
- Differential phase contrast with an extended illumination source (T), JOSA 66: 813
- Steyer, T. R.**
- ; Day, Kenrick L.; Huffman, Donald R.: Infrared absorption by small amorphous quartz spheres (E), AO 13: 1586
- Stickel, R. E., Jr.** See Dunning, F. B., AO 15: 3131
- ; Blit, S.; Hildebrandt, G. F.; Dahl, E. D.; Dunning, F. B.; Tittel, F. K.: Generation of coherent cw radiation tunable from 211 nm to 216 nm (E) (L), AO 17: 2270
- ; Dunning, F. B.: Generation of coherent radiation tunable from 201 nm to 212 nm (E) (L), AO 16: 2356
- ; Dunning, F. B.: Generation of tunable coherent radiation below 250 nm at MW power levels (E) (L), AO 17: 1313
- ; Dunning, F. B.: Generation of tunable coherent vacuum UV radiation in KB5 (E) (L), AO 17: 981
- ; Dunning, F. B.: Generation of tunable coherent vacuum UV radiation in KB5 (errata), AO 17: 2132
- Stickelmeyer, Mary.** See Crawford, Bryce, Jr., JOSA 68: 1431
- Stickely, C. M.**
- Overview of the U.S. inertial confinement fusion program (A), JOSA 68: 542
- Stiehl, W. Alan.** See McCann, John J., JOSA 69: 1452
- Stiening, R.** See Harper, D. A., AO 15: 53, AO 15: 814
- Stier, Mark T.** See Traub, Wesley A., AO 15: 364
- Stierwalt, D. L.** See Lipson, Herbert G., AO 13: 1741
- Stiff, T.**
- ; Jeffers, S.: Spectrophotometer for the investigation of short term variability in stellar spectra (E), AO 17: 1811
- Stijns, Erik**
- Nomographs for Gaussian beams (ET), AO 18: 2827
- Stiles, W. S.**
- ; Wyszecski, Gunter; Ohta, Noboru: Counting metameric object-color stimuli using frequency-limited spectral reflectance functions, JOSA 67: 779
- Stillman, R. K.** See Gerber, H. E., JOSA 67: 258
- Stillman, G. E.**
- Electroabsorption detectors and modulators for integrated optical circuits (A), JOSA 65: 1221
- Stirbl, R.** See Eichmann, G., JOSA 69: 1435
- Stober, Stephen R.** See Brussell, Edward M., JOSA 67: 1354
- Stobie, R. W.**
- ; Rao, B.; Dignam, M. J.: Analysis of a novel ellipsometric technique with special advantages for infrared spectroscopy (T), JOSA 65: 25
- ; Rao, B.; Dignam, M. J.: Automatic ellipsometer with high sensitivity and special advantages for infrared spectroscopy of adsorbed species (E), AO 14: 999
- Stockham, Thomas G., Jr.**
- Current vision models and their effects on enhancement (A), JOSA 66: 173
- Stockton, B. H.** See Patterson, E. M., JOSA 67: 257, AO 16: 729
- Stockton, M.**
- ; Walsh, J. E.: Stimulated Cerenkov radiation from atmospheric pressure gases (A), JOSA 68: 1629
- Stockton, William**
- Celebrating Einstein (L), AO 18: 1300
- Stoockenius, W.** See Campillo, A. J., JOSA 68: 692, JOSA 68: 692
- Stoicheff, B. P.** See Bolton, P. R., JOSA 67: 1418; Harvey, K. C., JOSA 67: 1371; Kato, Yoshiaki, JOSA 66: 490; Lee, S. A., OL 3: 141; McKee, T. J., OL 3: 207; Rand, S. C., JOSA 68: 1402; Thomas, P. J., JOSA 67: 1409; Wallace, Stephen C., JOSA 67: 1441, JOSA 68: 677; Weinberger, E., JOSA 69: 1406
- ; Kato, Yoshiaki: High-resolution, two-photon absorption spectroscopy of highly excited D states of Rb atoms (A), JOSA 65: 1180
- ; Wallace, Stephen C.: Tunable coherent vacuum ultraviolet radiation (A), JOSA 67: 1368
- Stoke, George W.**
- Optical Computing, 3rd International Conference, Washington, D.C., 23-25 Apr 1975 (M), AO 14: 2785
- Stokes, L. S.** See Goodwin, F. E., JOSA 66: 388
- Stokowski, S. E.** See Weber, Marvin J., JOSA 68: 542
- ; Saroyan, R. A.; Linford, Gary J.; Wenzel, J.; Blackburn, D.; Brecher, C.; Riseberg, L. A.; Weber, Marvin J.: Fluorophosphate glass for fusion lasers (A), JOSA 68: 542
- Thermal modulation transfer function analysis of pyroelectric device characteristics (TE), AO 15: 1767
- Stolen, R. H.** See Lin, Chinlon, JOSA 67: 250, JOSA 67: 255, JOSA 67: 709, JOSA 67: 1361, OL 1: 96, OL 1: 205; Ramaswamy, V., JOSA 68: 1407, AO 18: 4080; Turner, E. H., JOSA 69: 1483
- Modes in fiber optical waveguides with ring index profiles (T), AO 14: 1533
- ; Leibolt, W. N.: Optical fiber modes using stimulated four photon mixing (E), AO 15: 239
- ; Lin, Chinlon: Recent advances in tunable fiber-Raman lasers (A), JOSA 68: 633
- ; Lin, Chinlon: Self-phase modulation in silica optical fibers (A), JOSA 66: 1101
- Stoler, David**
- Apertured resonator cavity modes using the operator algebraic method (A), JOSA 67: 1391
- Stoll, H. M.**
- Distributed Bragg deflector: a multifunctional integrated optical device (T), AO 17: 2562
- ; Seib, D. H.: Distributed feedback GaAs homojunction injection laser (E) (L), AO 13: 1981
- ; Seib, D. H.: Multiply-resonant distributed feedback lasers (A), JOSA 66: 291
- Stolpovski, A. A.** See Dubnitshev, Yu. N., AO 14: 180
- Stoltzmann, David E.**
- Multi-aperture diffraction (T) (L), AO 15: 21
- Stolzenburg, Manfred.** See Wieser, Paul, AO 16: 2651
- Stone, E. I.**
- ; Krawarik, P. H.: Mode elimination in fiber loss measurements (E) (L), AO 18: 756
- Stone, Edward J.** See Lawrence, George M., AO 15: 2649
- Stone, F. T.** See Austin, Stewart, JOSA 65: 1223, AO 15: 1071, AO 15: 2126
- ; Gardner, W. B.: Calorimetric determination of loss mechanisms in optical fibers (A), JOSA 67: 1373
- ; Gardner, W. B.; Lovelace, C. R.: Calorimetric measurement of absorption and scattering losses in optical fibers (E), OL 2: 48
- Further applications of calorimetry in determining the loss characteristics of optical fibers (A), JOSA 68: 1408
- Launch dependent loss in short lengths of graded-index multimode fibers (E), AO 17: 2825
- ; Eichenbaum, B. R.; Lovelace, C. R.: Loss measurements in optical fiber ribbons using calorimetry (E) (L), AO 17: 2484
- Rapid optical fiber delay measurement by refractive index tuning (E), AO 16: 2738
- Results on the direct measurement of absorption losses in optical fibers (A), JOSA 69: 1462
- ; Austin, Stewart: Theoretical and experimental study of the effect of loss on grating coupler performance (A), JOSA 66: 1115
- Stone, H.** See Pernick, B. J., JOSA 66: 382, AO 17: 21
- Stone, J.** See Burrus, C. A., JOSA 65: 1221; Lau, K. Y., AO 18: 3143
- Absorption curve of the 607- $\mu$ m line in benzene (E) (L), AO 17: 2876
- ; Burrus, C. A.: Focusing effects in interferometric analysis of graded-index optical fibers (TE), AO 14: 151
- Inverse Raman scattering: continuous generation in optical fibers (A), JOSA 68: 1383
- ; Burrus, C. A.: Neodymium-doped fiber lasers: room temperature cw operation with an injection laser pump (E) (L), AO 13: 1256
- ; Earl, H. E.: Optical fiber refractometry by interference microscopy: a simplified method (E), AO 17: 3647
- ; Burrus, C. A.: Self-contained LED-pumped single-crystal Nd:YAG fiber laser (A), JOSA 66: 708
- Stone, Jerry.** See Graser, Michael, Jr., JOSA 65: 1175
- Stone, N. W. B.**
- Expanding field of far infrared Fourier transform spectroscopy in the laboratory, industry, and the environment (ER), AO 17: 1332
- Stone, P. G.** See Faust, W. L., JOSA 68: 639
- Stone, T.** See Agostinelli, John A., JOSA 68: 1435, AO 18: 2500
- Stone, W. Ross**
- Comparison between the Bojarski exact inverse scattering theory and holography (A), JOSA 67: 1435
- Determination of the refractive-index distribution in inhomogeneous media using the Bojarski exact inverse scattering theory (A), JOSA 69: 1474
- Holographic radio camera: experimental results on reconstruction of ionospheric irregularities (A), JOSA 67: 1435
- Inverse scattering approach to optical system design (A), JOSA 69: 1440
- Resolution of an aperture for coherent imaging (A), JOSA 68: 1404
- Stoner, John O., Jr.** See Andrae, H. J., JOSA 65: 1410; Bashkin, Stanley, JOSA 66: 1067
- ; Bashkin, Stanley: Grottrian-diagram project at the University of Arizona (A), JOSA 68: 1445
- ; Bashkin, Stanley: Grottrian-diagram project at the University of Arizona (A), JOSA 69: 1411



- Linewidth-compensated two-beam interferometer (A)**, JOSA 64: 559
- ; **Bashkin, Stanley**: Production of a large unsupported carbon-film ultraviolet filter (E) (L), AO 17: 321
- Stoner, William**
- Edge enhancement with incoherent optics (E) (L), AO 16: 1451
- Incoherent optical processing via spatially offset pupil masks (ET), AO 17: 2454
- Stonestrom, J. P.** See Alvarez, Robert E., JOSA 66: 1130
- Storey, Richard W., Jr.** See Crumby, K. H., JOSA 67: 256; Sentell, Ronald J., JOSA 67: 256
- Storm, Erik K.** See Manes, Kenneth R., JOSA 68: 1646
- Exploding pusher target experiments at the Lawrence Livermore Laboratory (A), JOSA 68: 549
- Storz, R. H.** See Bjorklund, Gary C., JOSA 67: 251, JOSA 68: 675
- Stotlar, S. C.**
- ; **McLellan, Edward J.**; **Webb, J.**; **Gibbs, A. J.**: Short pulsed CO<sub>2</sub> laser damage studies on pyroelectric materials (A), JOSA 69: 1472
- ; **Gibbs, A. J.**; **McLellan, Edward J.**: Ultra-fast pyroelectric detectors for CO<sub>2</sub> laser measurements (A), JOSA 69: 373
- Stotts, L. B.** See Mooradian, Gregory C., AO 18: 429
- Closed form expression for optical pulse broadening in multiple-scattering media (T) (L), AO 17: 504
- Integrated optical matrix multiplier (TE) (L), AO 15: 2029
- Limitations of approximate Fourier techniques in solving radiative-transfer problems (T) (L), JOSA 69: 1719
- ; **Sussman, A.**; **Monahan, M. A.**: Photoactivated twisted nematic device (E) (L), AO 13: 1752
- Radiance produced by laser radiation transversing a particulate multiple-scattering medium (T), JOSA 67: 815
- Radiance produced by laser radiation traversing a particulate multiple-scattering medium (T) (errata), JOSA 67: 1695
- ; **Hyde, M. E.**; **Beaghtler, G. W.**; **Chappell, M. G., Jr.**: Scattered radiation from a gradient particulate atmosphere in the presence of a totally absorbing earth (TE), AO 18: 978
- ; **McCall, D. C.**: Symmetric optimization of dielectric interference filters for nonnormal incidence (T) (L), AO 14: 2341
- ; **McCall, D. C.**: Symmetric optimization of dielectric interference filters for nonnormal incidence (T) (errata), AO 15: 1124
- Stoudt, M. D.** See Vadam, K., AO 17: 1859
- ; **Vadam, K.**: Retroreflection from spherical glass beads in highway pavement markings. I: Specular reflection (T), AO 17: 1855
- Stover, John C.**
- Roughness characterization of smooth machined surfaces by light scattering (ET), AO 14: 1796
- Stowe, L. L.** See Wark, D. Q., JOSA 67: 260
- Stowers, I. F.** See Wallerstein, Edward Perry, JOSA 68: 548
- Strackee, L.** See van der Meulen, A., AO 18: 3751
- Stradling, R. A.** See Skolnick, M. S., JOSA 67: 947
- Stradling, R. N.** See Allebach, J. P., JOSA 68: 1376, AO 18: 2708
- Strand, T. C.** See Armand, A., JOSA 68: 1361, JOSA 68: 1361; **Beasos, J.**, JOSA 67: 1407, AO 17: 2524; **Lohmann, A. W.**, JOSA 66: 170
- Stratonovich, R. L.** See Akhmanov, S. A., JOSA 68: 698
- Stratton, T. F.** See Reichelt, W. H., JOSA 64: 545
- ; **Durham, F. P.**; **Jansen, J.**; **Leland, W. T.**; **Reichelt, W. H.**; **Zeigler, V. L.**: LASL 100 DJ CO<sub>2</sub> laser for ICF research: Antares (A), JOSA 68: 543
- Strause, A. J.** See Spears, D. L., JOSA 66: 290
- Strauss, Harry L., Jr.**
- Manufacture of diamond tooling and application data (A), JOSA 66: 1134
- Strauss, Herbert L.**
- ; **Wood, Kurt A.**: Raman spectroscopy at a binary liquid critical point (A), JOSA 68: 1448
- Strautman, William D.** See Robinson, Stanley R., AO 18: 775
- Streete, John L.**
- Geometrical and Physical Optics; 3rd Edition. By R. S. Longhurst (B), AO 15: 1107
- Strehlow, W. H.**
- ; **Dennison, R. L.**; **Packard, J. R.**: Holographic data store (A), JOSA 64: 543
- Streifer, William.** See Burnham, Robert D., JOSA 65: 225; **Hardy, Amos A.**, JOSA 69: 1235; **Lee, Wai-Hon**, JOSA 67: 1432, JOSA 68: 1372, JOSA 69: 1483, JOSA 68: 795, JOSA 68: 802, JOSA 68: 1701, JOSA 69: 1671; **Scifres, Donald R.**, JOSA 66: 291, JOSA 66: 1114, JOSA 66: 1115, JOSA 68: 1364, JOSA 68: 1434; **Stutius, W.**, AO 16: 3218
- ; **Goren, R. N.**; **Marks, L. M.**: Analysis and experimental study of ruled halftone screens (TE), AO 13: 1299
- ; **Goren, R. N.**; **Marks, L. M.**: Analysis and experimental study of ruled half-tone screens: addendum (TE) (L), AO 13: 2189
- ; **Hardy, Amos A.**: Analysis of two-dimensional waveguides with misaligned or curved gratings (A), JOSA 68: 1372
- ; **Scifres, Donald R.**; **Burnham, Robert D.**: Analysis of waveguiding in stripe geometry diode lasers (A), JOSA 68: 1434
- ; **Kapon, Eli**: Application of the equivalent-index method to DH diode lasers (T) (L), AO 18: 3724
- ; **Hardy, Amos A.**: Gaussian beam propagation in thin film waveguides (T) (L), AO 17: 2134
- ; **Burnham, Robert D.**; **Scifres, Donald R.**: Grating coupled radiation in lasers and waveguides (A), JOSA 66: 1115
- Heterostructure Lasers. By H. C. Casey, Jr. and M. B. Panish (B), JOSA 69: 799
- ; **Scifres, Donald R.**; **Burnham, Robert D.**: High-power low beam divergence coupled multiple stripe diode laser (A), JOSA 69: 1452
- ; **Scifres, Donald R.**; **Burnham, Robert D.**: Laser modes of heterojunction distributed-feedback diodes (A), JOSA 64: 1365
- ; **Scifres, Donald R.**; **Burnham, Robert D.**: Optical analysis of multiple-quantum-well lasers (T) (L), AO 18: 3547
- ; **Scifres, Donald R.**; **Burnham, Robert D.**: Perturbation analysis of nonuniform almost-periodic Bragg reflectors (T), JOSA 66: 1359
- ; **Burnham, Robert D.**; **Scifres, Donald R.**: Room-temperature DFB GaAs diode lasers (A), JOSA 65: 1221
- ; **Burnham, Robert D.**; **Scifres, Donald R.**: Single longitudinal mode operation of GaAs lasers (A), JOSA 67: 1424
- Streltsov, A. P.** See Baranov, V. Yu., AO 15: 1373
- Stremier, Ferrel G.**
- ; **Khalil, Mohsen A.**; **Parent, Robert J.**: Ground mapping resolution accuracy of a scanning radiometer from a geostationary satellite (T), AO 16: 1619
- Strickland, R. N.** See Burke, James J., JOSA 69: 1450
- Striker, G.** See Morris, S. J., AO 18: 303
- Strilchuk, A. R.**
- ; **Offenberger, A. A.**: High temperature absorption in CO<sub>2</sub> at 10.6  $\mu$ m (ET), AO 13: 2643
- Strittmatter, Peter A.**
- High Energy Astrophysics and its Relation to Elementary Particle Physics. Edited by Kenneth Brecher and Giancarlo Setti (B), JOSA 66: 398
- Strnad, J.** See Kodre, A., JOSA 64: 1722
- Strobel, George L.** See Burkhard, Donald G., JOSA 66: 1070, JOSA 66: 1096, JOSA 66: 1122, JOSA 67: 1395, AO 17: 1870, AO 17: 2431
- ; **Burkhard, Donald G.**; **Shealy, David L.**: Aspheric lens and ellipsoidal reflector to uniformly heat a sphere (A), JOSA 66: 1122
- ; **Shealy, David L.**: Caustic analysis for a gradient index lens (A), JOSA 69: 1429
- Strocka, D.** See Berger, A., AO 14: 726
- Strohbehn, John W.** See Homstad, Gerald E., JOSA 64: 162; **Wang, Ting-i**, JOSA 64: 583, JOSA 64: 994
- Propagation of Visible and Infrared Radiation in the Atmosphere. By V. E. Zuev (B), JOSA 66: 872
- Strohwalde, H.** See Schmidt, H., AO 14: 2250
- Stroke, George W.** See Kock, Winston E., AO 13: 11A14
- Optical information processing, second U.S.-U.S.S.R. Science Cooperation Seminar, Novosibirsk, 10-16 July 1976 (M), AO 16: 333
- Stroke, H. H.** See Gerstenkorn, S., JOSA 66: 155; **O. Chun-Sing**, JOSA 66: 1124; **Redi, O.**, JOSA 65: 1
- Stromberg, E.** See Schutt, J. B., AO 13: 2218
- Stromeyer, Charles F., III.** See Klein, Stanley, JOSA 68: 1379; **Sternheim, Charles E.**, JOSA 68: 1399
- ; **Madsen, J. C.**; **Klein, Stanley**: Direction-selective adaptation with very slow motion (TE) (L), JOSA 69: 1039
- ; **Madsen, J. C.**; **Klein, Stanley**; **Zeevi, Yehoshua Y.**: Movement-selective mechanisms in human vision sensitive to high spatial frequencies (TE) (L), JOSA 68: 1002
- ; **Klein, Stanley**; **Zeevi, Yehoshua Y.**: Response of visual mechanisms to stimulus onsets and offsets (TE), JOSA 69: 1350
- Strong, John.** See Dunipace, D. W., AO 13: 2723; **Hansen, Peter**, JOSA 67: 1419
- ; **Li, Ta-Chun**: Variable bandpass filtering arrangement (A), JOSA 66: 634
- Wood, Robert Williams**, AO 15: 1741
- Strong, P. F.** See Aronson, J. R., AO 14: 2914; **Aronson, James R.**, AO 18: 2622
- Strosio, Michael A.**
- ; **Forslund, David W.**; **Gitomer, Steven J.**; **Henderson, Dale B.**; **Kindel, Joseph M.**; **Lee, Kenneth**; **Lindman, Erick L.**: Field gradient force as a dominant effect in high-intensity laser-plasma interaction (A), JOSA 68: 661
- Strother, G. K.** See Casella, A. J., AO 14: 771
- Stroud, Carlos R., Jr.** See Cardimona, David, JOSA 69: 1476; **Citron, M. L.**, JOSA 66: 1068; **Dodd, Jack G.**, JOSA 69: 1427; **Gray, H. R.**, JOSA 67: 1417, JOSA 68: 1423, OL 3: 218; **Hillman, Lloyd W.**, JOSA 69: 1421; **Molander, W. A.**, JOSA 69: 1410
- Strumia, Franco.** See Inguscio, Massimo, OL 4: 9; **Stein, S. R.**, AO 16: 1893
- Stuart, P. R.** See Franks, J., JOSA 68: 1418; **Hunter, W. R.**, JOSA 66: 1136
- ; **Hutley, M. C.**; **Stedman, M.**: Photofabricated blazed x-ray diffraction gratings (E) (L), AO 15: 2618
- Stuck, B. W.**
- Estimating the spatial concentration of certain types of air pollutants (T), JOSA 67: 668
- Stuck, D.** See Bridges, J. M., AO 16: 1788
- Studna, A. A.** See Asnes, D. E., AO 14: 220; **Kaufmann, E. N.**, JOSA 67: 1099
- Stulz, L. W.** See Carruthers, J. R., AO 13: 2333
- Titanium in-diffused LiNbO<sub>3</sub> optical waveguide fabrication (E), AO 18: 2041
- Stump, C. J., Jr.** See Hunten, Donald M., AO 15: 2264, AO 15: 3105
- Stump, J.**
- ; **Liberman, I.**: CO<sub>2</sub> laser fusion target alignment (A), JOSA 68: 543
- Stupin, D. M.** See Whitman, R. L., JOSA 68: 545, AO 18: 1266
- ; **Whitman, R. L.**; **Kruger, R. P.**; **Day, Robert H.**: Microradiography of laser fusion targets with monochromatic X rays (A), JOSA 68: 545
- ; **Winkler, M. A.**; **Campbell, M. J.**; **Liepins, R.**: Radiographic selection of laser fusion targets: hollow metal shells and plastic coatings (A), JOSA 68: 1364
- Sturk, P.** See Zemon, S., AO 14: 815
- Sturr, Joseph F.** See Gaska, James P., JOSA 69: 1453; **Irvine, Gregg E.**, JOSA 69: 1486; **Kelly, Susan A.**, JOSA 69: 1487; **Martinez, John M., II**, JOSA 64: 1387
- ; **Kitterle, Frederick L.**; **White, Thomas W.**: Differential effects of flashed and steady backgrounds upon rod increment thresholds (A), JOSA 69: 1453
- Sturtevant, A. H.**
- Focused multiple-pass cell for Raman scattering: comment (ET) (L), AO 13: 1739
- Stus, Yu. F.** See Arnautov, G. P., AO 13: 310
- Stutius, W.**
- ; **Streifer, William**: Silicon nitride films on silicon for optical waveguides (ET), AO 16: 3218
- Su, Lin-kuan.** See Feng, Shih-yu, AO 16: 1800
- ; **Ng, Yin-mui**; **Feng, Shih-yu**: Nonlinear effects in holography with two reference point sources (E) (L), JOSA 67: 846
- Su, S. F.**
- ; **Gaylord, T. K.**: Calculation of arbitrary-order diffraction efficiencies of thick gratings with arbitrary grating shape (T), JOSA 65: 59
- ; **Gaylord, T. K.**: Refractive-index profile and physical process determination in thick gratings in electrooptic crystals (TE), AO 15: 1947



- ; Gaylord, T. K.: Refractive-index profiles and arbitrary-order diffraction efficiencies of lithium niobate hologram gratings (A), JOSA 65: 1220
- ; Gaylord, T. K.: Time evolution and refractive-index profiles of phase holograms in electro-optical crystals (A), JOSA 66: 1084
- Su, Y. K.**
- ; Chang, C. Y.; Wu, T. S.; Liu, B. D.; Fang, Y. K.: *P-I-N* laser detectors: their dependence on wavelength and temperature (T), AO 18: 3510
- Suarez, Carlos B.** See Valero, Francisco P. J., JOSA 66: 1094
- Subbarnan, K. V.**
- ; Vasudev, R.; Jones, William E.: Atomic and molecular emission from microwave discharge through beryllium chloride (E), JOSA 65: 318
- Subramanian, R.** See Aggarwal, A. K., AO 17: 987; Ramakrishnam, R. S., AO 18: 464
- Suchard, Steven N.** See Sutton, David G., AO 14: 1898
- Suck, S. H.**
- ; Kassner, J. L., Jr.; Yamaguchi, Y.: Water cluster interpretation of IR absorption spectra in the 8–14- $\mu$ m wavelength region (T), AO 18: 2609
- Sudan, R. N.** See Greenspan, M., JOSA 68: 545
- Sudboe, Aa. S.** See Schultz, P. A., JOSA 68: 638
- ; Schulz, P. A.; Krajnovich, D. J.; Lee, Y. T.; Shen, Y. R.: Photoionization study of multiphoton-excited  $SF_6$  in a molecular beam (E), OL 4: 219
- Sudo, S.** See Kobayashi, S., AO 14: 2817
- Sudoh, Akiyoshi.** See Yamaguchi, Tomuo, JOSA 68: 1039
- Sudol, R. J.**
- ; Thompson, Brian J.: Lau effect interpreted in the context of the theory of partial coherence (A), JOSA 69: 1455
- Sueda, Hachiro**
- ; Kao, Kwan C.: Schlieren method for the determination of electric field distributions in dielectrics (ET), AO 18: 3990
- Suematsu, Yasuharu.** See Furuya, Kazuhito, AO 17: 1949; Ishikawa, Shigeta, JOSA 68: 577
- Guided-wave optical devices in Japan (A), JOSA 66: 292
- Guided-wave optics in Japan (A), JOSA 68: 633
- ; Yamada, M.; Kambayashi, T.; Kishino, K.: Mode selectivity and amplification in twin-guide lasers (A), JOSA 66: 288
- Sugama, S.** See Takahashi, S., JOSA 66: 1062
- Sugar, Jack.** See Kaufman, Victor, JOSA 64: 1370, JOSA 68: 1446, JOSA 65: 302, JOSA 66: 439, JOSA 66: 1019, JOSA 68: 1529; Knystautas, E. J., JOSA 69: 1726; Roberts, J. R., JOSA 69: 1620; Spector, Nissan, JOSA 66: 436
- ; Lucatorto, T. B.; Weiss, A. W.; McIlrath, Thomas J.: Even-parity autoionizing states in neutral sodium (350–400 Å) (ET), OL 4: 109
- Handbook of Atomic Data. By Serafin Fraga, Jacek Karwowski, and K. M. S. Saxena (B), JOSA 67: 986
- ; Kaufman, Victor: Identification of 5g and 6g terms and revised ionization energies in the Yb II  $4f^{14}n\ell$  isoelectronic sequence (E), JOSA 69: 141
- Ionization energies of quadruply ionized rare earths (T), JOSA 65: 1366
- Resonance lines in the Ag I and Pd I isoelectronic sequences from Cs to Sm (A), JOSA 67: 1383
- Resonance lines in the Ag I and Pd I isoelectronic sequences: Cs IX through Sm XVI and Cs X through Nd XV (E), JOSA 67: 1518
- ; Kaufman, Victor: Spectra and energy levels of three- and four-times ionized hafnium (Hf IV and Hf V) (ET), JOSA 64: 1656
- ; Spector, Nissan: Spectrum and energy levels of doubly ionized europium (Eu III) (ET), JOSA 64: 1484
- Sugawara, H.** See Sasaki, T., AO 16: 3115
- Sugawara, Shungo**
- ; Murase, Kei; Kitayama, Toyoki: Holographic recording by dye-sensitized photopolymerization of acrylamide (E), AO 14: 378
- Sugimura, Akira.** See Ikeda, Masahiro, AO 15: 2116
- Suhara, Toshiaki.** See Handa, Yuichi, AO 18: 248; Nishihara, Hiroshi, AO 17: 2342
- ; Handa, Yuichi; Nishihara, Hiroshi; Koyama, Jiro: Analysis of optical channel waveguides and directional couplers with graded-index profile (T), JOSA 69: 807
- Sullivan, Charles T.**
- Contact Lens Practice, Hard and Flexible Lenses, Second Edition. By Robert B. Mandell (B), JOSA 65: 859
- Human Lens in Relation to Cataract (B), JOSA 64: 1150
- Your Eyes. By Thomas Chalkley (B), JOSA 65: 103
- Sullivan, G. W.** See Lucht, R. A., OL 4: 216
- Sullivan, J. A.** See Stewart, Harold S., JOSA 66: 1088
- Sullivan, Mark J.** See Kertesz, Andrew E., JOSA 67: 1415
- Sullivan, Walter**
- Einstein and clocks (N), AO 17: 5
- Sumi, Masao.** See Onoda, Sei-ichi, AO 15: 1930; Tanaka, Toshiaki P., AO 15: 1121, AO 16: 2391; Tsukamoto, K., AO 13: 869
- Sumida, S.** See Obara, M., JOSA 68: 668
- Sumimoto, T.** See Koizumi, K., AO 13: 255
- Summers, C. J.**
- ; Nelson, D. A.; Whitsett, C. R.: Mercury cadmium selenide infrared detector materials (A), JOSA 67: 253
- Summers, M. A.** See Bliss, E. S., JOSA 68: 547
- ; Johnson, B. C.: Designing large-aperture Pockels' cells (A), JOSA 66: 388
- ; Carder, B. M.; Myall, J. O.; Simmons, W. W.; Speck, D. R.: Laser-target and laser isolation for Shiva (A), JOSA 68: 547
- Sumner, Richard E.** See Parks, Robert E., AO 16: 2344, AO 17: 2469
- Cure for the dead or dying He-Ne laser (E) (L), AO 17: 847
- Sun, M. J.**
- ; Chang, William S. C.; Wolfe, C. M.: Frequency demultiplexing in GaAs EAP waveguide detectors (TE) (L), AO 17: 3533
- ; Nichols, K. H.; Chang, William S. C.; Gregory, R. O.; Rosenbaum, F. J.; Wolfe, C. M.: Gallium arsenide electroabsorption avalanche photodiode waveguide detectors (ET), AO 17: 1568
- ; Muller, M. W.: Measurements on four-layer isotropic waveguides (TE) (L), AO 16: 814
- ; Muller, M. W.; Chang, William S. C.: World market trends in electrooptical equipment, AO 16: 2986
- Sunak, Harish R. D.**
- Pulse dispersion measurements in conventional selfoc fibers (E), AO 18: 1106
- Sung, C. C.** See Fowler, Bruce W., AO 17: 1797, JOSA 65: 949, JOSA 69: 756; Holzer, J. A., JOSA 64: 1391, AO 18: 312; Rosenberger, A. T., JOSA 68: 700
- ; Eberhardt, W. D.: Explanation of the experimental results of light backscattered from a very rough surface (T), JOSA 68: 323
- Supertzi, E. P.** See Choyke, W. J., AO 16: 2013
- Suprin, F. P.** See Stewart, Harold S., JOSA 66: 1088
- Sureau, A.** See Jaegle, P., JOSA 68: 547
- Suski, G.**
- ; Greenwood, J. R.; Holloway, F.; Ozarski, R. G.; Rupert, P. R.: Overview of the Shiva laser computer control system (A), JOSA 68: 547
- Susskind, Joel.** See Kaplan, Lewis D., AO 16: 322
- Sussman, A.** See Stotts, L. B., AO 13: 1752
- Sussner, H.**
- ; Vacher, R.: High-precision measurements of Brillouin scattering frequencies (E), AO 18: 3815
- Sutherland, K. K.**
- ; Lauer, J. P.; Olenick, R. W.: Holoscan: a commercial holographic ROM (E), AO 13: 1345
- Sutphin, H. Dean.** See Lieber, Albert J., JOSA 66: 384, AO 18: 745
- Sutro, Louis L.** See Roy, Armando, JOSA 67: 1406
- Sutter, L. V.**
- ; Baily, Philip K.; Wakalopoulos, G.; Hill, R. A.; Peressini, Eugene R.; Dolezal, Franklin A.: Holographic interferometry of a large-bore cw high-energy gas-laser medium during laser-power extraction (E), AO 18: 3835
- Sutton, David G.**
- ; Suchard, Steven N.: Potential electronic transition chemical laser: parametric evaluation (T), AO 14: 1898
- Sutton, George W.**
- ; Douglas-Hamilton, D. H.: Carbon dioxide (10.6- $\mu$ m) atmospheric propagation enhancement due to off-line center tuning (T), AO 18: 2323
- Fog hole boring with pulsed high-energy lasers: an exact solution including scattering and absorption (T), AO 17: 3424
- ; Weiner, Melvin M.; Mani, Siva A.: Fraunhofer diffraction patterns from uniformly illuminated square output apertures with noncentered square obscurations (T), AO 15: 2228
- Sutton, J. G.** See Montgomery, M. D., JOSA 68: 543
- Sutton, Norman.** See Robinson, A. M., AO 16: 2632, AO 18: 378, AO 18: 1709
- Suzaki, Yasuzi.** See Fujita, Hiroyuki, AO 15: 320, AO 15: 2031
- ; Tachibana, Atsushi: Measurement of the Gaussian laser beam divergence (E) (L), AO 16: 1481
- ; Tachibana, Atsushi: Measurement of the  $\mu$ m sized radius of Gaussian laser beam using the scanning knife-edge (E) (L), AO 14: 2800
- Suzuki, A.** See Matsushita, Tatsuhiko, JOSA 66: 1069
- Suzuki, H.**
- ; Nakamura, T.; Kiyohashi, K.: GaAs<sub>1-x</sub>P<sub>x</sub> photodiodes for cameras (A), JOSA 66: 1080
- Suzuki, Kenji**
- ; Ogura, Iwao; Ose, Teruji: Measurement of spherical aberrations using a solid-state image sensor (E), AO 18: 3866
- Suzuki, M.** See Nagasaka, T., AO 16: 2358
- Suzuki, N.** See Sonoda, H., AO 17: 1006
- Suzuki, Takashi**
- Ewald-Oseen extinction theorem and the diffraction formula for inhomogeneous media, derived from the classical theory of dispersion (T), JOSA 65: 679
- Suzuki, Tatsuro.** See Ichioka, Yoshiki, AO 16: 462, JOSA 65: 892, JOSA 66: 921, JOSA 66: 932; Kato, Makoto, AO 14: 1093; Kondo, K., AO 16: 2554; Paturski, Krzysztof, AO 15: 1234; Tokumitsu, J., AO 17: 2655
- Suzuki, Yoshihiro.** See Sato, Takuzo, JOSA 67: 1363, AO 17: 3798
- ; Kashiwagi, Hiroshi: Concentrated-type directional coupler for optical fibers (E) (L), AO 15: 2032
- ; Kashiwagi, Hiroshi: Polymer-clad fused-silica optical fiber (E) (L), AO 13: 1
- Svanberg, S.** See Fredriksson, K., AO 18: 2998; Gustavsson, M., JOSA 69: 984
- Svetlik, J.**
- Graphical aid to the transformation of a laser beam by a thin lens (T) (L), AO 14: 2347
- Simple methods for the measurement of laser beam parameters (E) (L), AO 13: 1276
- Swain, J. E.** See Phillion, D. W., JOSA 68: 544; Simmons, W. W., JOSA 68: 547
- Swalen, J. D.** See Pockrand, I., JOSA 68: 1147
- ; Fischer, J.; Santo, R.; Tacke, M.: Application of integrated optics to chemical spectroscopy (A), JOSA 66: 291
- Optical properties of thin films (A), JOSA 68: 1439
- Swami, S.** See Mehta, P. C., AO 16: 445
- Swann, T. A.** See Bausman, M. D., JOSA 68: 1441
- Swanson, D.** See Ganley, T., JOSA 68: 543
- Swanson, G. J.** See Leith, Emmett N., JOSA 69: 1435
- Swartner, William H.** See Sargent, Murray, III, JOSA 68: 700
- ; Hayslett, Charles R.: Multicolor interferometric testing (A), JOSA 67: 1365
- ; Hayslett, Charles R.: Multicolor interferometric testing (A), JOSA 68: 1416
- ; Hayslett, Charles R.: Nonglobal, nonlinear interpolation of wave fronts from interferograms (A), JOSA 66: 1117
- Swartz, B. A.**
- ; Cole, T.; Zewail, A. H.: Photon trapping and energy transfer in multiple-dye plastic matrices: an efficient solar-energy concentrator (E), OL 1: 73
- Swartz, M.** See Kastner, Sidney O., JOSA 68: 1558
- ; Goldsmith, L.; Neupert, W. M.; Kastner, Sidney O.: Observations of  $3p^23d-3p^24f$  and  $3p^23d-3p^23d4s$  transitions in iron, cobalt, nickel, and copper (ET), JOSA 66: 240
- Sweatt, William C.** See Lawrence, George, JOSA 68: 1436
- Achromatic triplet using holographic optical elements (T), AO 16: 1390
- ; Zeigner, V. L.: Antares target system optical design (A), JOSA 68: 1374
- Describing holographic optical elements as lenses (T), JOSA 67: 803



- Designing and constructing thick holographic optical elements (TE), AO 17: 1220
- Designing systems containing diffractive elements (A), JOSA 66: 1061
- Designing thick-holographic optical elements (A), JOSA 67: 1435
- Mathematical equivalence between a holographic optical element and an ultra-high index lens (T) (L), JOSA 69: 486
- Swedberg, J. See Selvarajan, A.**, JOSA 68: 1366
- Swedberg, J. L. See Selvarajan, A.**, AO 18: 3116
- Sweeney, Donald W. See Attwood, D. T.**, JOSA 68: 544; Campbell, D. K., AO 17: 3727; Matekunas, F., AO 15: 1541; Yang, J. M., AO 18: 2398
- ; **Stevenson, Warren H.**; **Campbell, D. K.**; **Shaffer, G.**: Carbon dioxide laser beam shaping with computer generated holograms (E) (L), AO 15: 2959
- Comparison of Abel-integral, inversion schemes for interferometric applications (A), JOSA 64: 559
- ; **Attwood, D. T.**; **Coleman, Lamar W.**: Interferometric probing of laser produced plasmas (T) (L), AO 15: 1126
- Sweet, Robert**  
Lens design, international conference, Haverford College, 23-27 Jun 1975 (M), AO 15: 302
- Swegle, J. A. See Zammit, R. E.**, AO 18: 584
- Swenberg, C. E. See Campillo, A. J.**, JOSA 68: 691
- Swick, David A. See Rosenstock, Herbert B.**, JOSA 64: 1386
- Swift, C. D. See Augason, G. C.**, AO 14: 2146; **Simmons, W. W.**, JOSA 68: 547
- Swift, Dan J. See Panish, Steven C.**, JOSA 69: 1444
- ; **Smith, Robert A.**: Adapting modulation and channel bandwidth (A), JOSA 68: 1380
- ; **Smith, Robert A.**; **Panish, Steven C.**: New technique of subthreshold additivity (A), JOSA 69: 1444
- Swift, Roderick D.**  
—; **Watson, Richard B.**; **Decker, John A., Jr.**; **Paganetti, Ralph**; **Harwit, Martin**: Hadamard transform imager and imaging spectrometer (E), AO 15: 1595
- Swindell, William. See Barrett, Harrison H.**, AO 18: 2760; **Frieden, B. Roy**, JOSA 66: 172; **Gmitro, A. F.**, JOSA 68: 1437; **Gordon, Scott K.**, JOSA 66: 1110; **Greivenkamp, J. E.**, JOSA 68: 1437
- Extraordinary-ray and -wave tracing in uniaxial crystals (T), AO 14: 2298
- Nodality: interference at the surface of dielectric mirrors (T) (L), JOSA 65: 465
- OSA, annual meeting, Rochester, 9-12 Oct 1973 (M), AO 13: 11
- Pioneer 10: images from Jupiter (A), JOSA 64: 1376
- Swinney, Harry L. See Weingarten, Richard A.**, JOSA 65: 1210, AO 17: 3028
- Swissler, Thomas J. See Chu, William P.**, JOSA 67: 259; **Fuller, William H., Jr.**, JOSA 67: 258; **McCormick, M. Patrick**, JOSA 67: 256; **Russell, Philip B.**, AO 18: 3783
- ; **Harris, Franklin S., Jr.**: Comparison of extinction and backscattering coefficients for measured and analytic stratospheric aerosol size distributions (A), JOSA 67: 257
- Switzer, Gary L.**  
—; **Roquemore, W. M.**; **Bradley, Royce B.**; **Schreiber, Paul W.**; **Roh, Won B.**: Coherent anti-Stokes Raman spectroscopy measurements in a bluff-body stabilized diffusion flame (E) (L), AO 18: 2343
- Swords, M. D. See Cole, J. B.**, JOSA 68: 656, AO 18: 1539; **Stenhouse, I. A.**, AO 18: 3819
- Sydor, M. See Diehl, S. R.**, AO 18: 1653
- ; **Sorensen, J. A.**; **Shuter, V.**: Remote sensing of snow albedo for determination of dustfall (E), AO 18: 3574
- Synne, James J. See Armstrong, John A.**, JOSA 67: 1417
- Szabo, A. G. See Rayner, D. M.**, AO 17: 1624, AO 17: 2730; **Yamagishi, A.**, OL 2: 160, AO 16: 691
- ; **Kroll, M.**: Stark-induced optical transients in ruby (E), OL 2: 10
- Szapiel, Stanislaw**  
Marchal intensity criteria modified for circular apertures with nonuniform intensity (transmission: Dini series approach (T), OL 2: 124
- Szczepanek, Paul S.**  
—; **Berthold, John W., III**: Side launch excitation of selected modes in graded-index optical fibers (ET), AO 17: 3245
- Sze, Robert C. See Loree, T. R.**, JOSA 68: 677
- ; **Scott, Peter B.**: Intense laser action of XeCl, KrCl, and XeBr in large-volume electric discharges (A), JOSA 68: 704
- Szejn, B. See Yeh, Cavour**, JOSA 68: 989
- Szejn, R. M. See O'Meara, T. R.**, JOSA 66: 392; **Yeh, Cavour**, AO 18: 489
- Szentesi, O. I.**  
—; **Noga, E. A.**: Polyene C films for optical waveguides (E) (L), AO 13: 2458
- Szeto, K. Y. See Sato, T.**, AO 18: 3119
- Szeto, Leo H. See Silfvast, William T.**, JOSA 68: 1394, JOSA 68: 1442, JOSA 68: 1623, OL 4: 271
- Sziklas, Edward A. See Siegman, A. E.**, AO 13: 2775
- ; **Siegmán, A. E.**: Mode calculations in unstable resonators with flowing saturable gain. 2: Fast Fourier transform method (T), AO 14: 1874
- Szili, Z. See Lachambre, J.-L.**, AO 18: 425
- Szoeke, A. See Murray, J. R.**, JOSA 68: 548, JOSA 68: 663; **Powell, H. T.**, JOSA 68: 704
- Optical collisions in an intense laser field (TE), OL 2: 36
- Szoke, A. See Monchalin, J.-P.**, OL 1: 5, OL 1: 140
- Szoplík, T. See Chalasinska-Macukow, K.**, AO 17: 3722, AO 18: 1436
- Sztankay, Z. G. See Mamon, Glenn**, AO 17: 868
- Tabisz, G. C. See Buckingham, A. D.**, OL 1: 220
- Taboada, J. See Zuclich, Joseph A.**, AO 17: 1482
- Lateral shearing interferometric technique for transparency distortion analysis (E) (L), AO 16: 2603
- ; **Ebberts, R. W.**: Ocular tissue damage due to ultrashort 1060-nm light pulses from a mode-locked Nd:glass laser (E) (L), AO 14: 1759
- ; **Fodor, W. J.**: Pulsed dye laser densitometry using an optical delay (E) (L), AO 16: 1132
- ; **Altschuler, B. R.**: Rectangular grid fringe pattern for topographic applications (ET) (L), AO 15: 597
- ; **Gibbons, W. D.**: Retinal tissue damage induced by single ultrashort 1060 nm laser light pulse (ET) (L), AO 17: 2871
- Tachibana, Atsushi. See Fujita, Hiroyuki**, AO 15: 320, AO 15: 2031; **Suzaki, Yasuzi**, AO 14: 2809, AO 16: 1481
- Tacke, M. See Swalen, J. D.**, JOSA 66: 291
- Tafraian, M. See Hovanesian, J. D.**, JOSA 65: 1187; **Hung, Y. Y.**, AO 17: 128
- Tai, Anthony M. See Chao, T. H.**, JOSA 69: 1417; **Chen, Hsuan**, JOSA 68: 1443, AO 17: 1490; **Cheng, Thomas**, JOSA 67: 1422; **Dymek, M. S.**, JOSA 69: 1417; **Yu, Francis T. S.**, JOSA 64: 560, JOSA 64: 1395, JOSA 68: 1414, JOSA 68: 1415, AO 18: 212, AO 18: 2705
- ; **Yu, Francis T. S.**: Classification of the T-E curve (TE), AO 17: 2450
- ; **Yu, Francis T. S.**: Holographic speckle reduction by complementary spatial sampling (ET), AO 16: 1371
- ; **Yu, Francis T. S.**: Holographic speckle reduction without resolution tradeoff (A), JOSA 65: 1196
- ; **Yu, Francis T. S.**; **Chen, Hsuan**: Multislit one-step rainbow holographic interferometry (ET) (L), AO 18: 6
- ; **Yu, Francis T. S.**; **Chen, Hsuan**: Multiwavelength multislit rainbow holographic interferometry (A), JOSA 68: 1443
- New contrast index for TE curve (A), JOSA 67: 1434
- ; **Cheng, Thomas**; **Yu, Francis T. S.**: Nonlinear filtering using inherent film nonlinearity (A), JOSA 66: 1131
- ; **Cheng, Thomas**; **Yu, Francis T. S.**: Optical logarithmic filtering using inherent film nonlinearity (E), AO 16: 2559
- ; **Cindrich, I.**; **Fienup, James R.**; **Aleksoff, C. C.**: Optical residue arithmetic computer with programmable computation modules (T), AO 18: 2812
- ; **Yu, Francis T. S.**; **Lin, J. C.**: Practical coherent optical spectrum analyzer for the processing of blood flow signals (A), JOSA 67: 1381
- ; **Yu, Francis T. S.**: Synchronous dual-channel optical spectrum analyzer (T) (L), AO 18: 1297
- ; **Yu, Francis T. S.**; **Chen, Hsuan**: White-light pseudocolor density encoder (ET), OL 3: 190
- ; **Yu, Francis T. S.**; **Chen, Hsuan**: White light pseudocolor encoder (A), JOSA 68: 1415
- ; **Yu, Francis T. S.**: Wide-band spectrum analysis with area modulation (TE), AO 18: 460
- ; **Yu, Francis T. S.**: Wideband spectrum analysis with area modulation: authors' reply to comment (TE) (L), AO 18: 2541
- Tai, Ming-Hing. See Harwit, Martin**, AO 16: 3071; **Sloane, Neil J. A.**, AO 17: 2991
- ; **Harwit, Martin**; **Sloane, Neil J. A.**: Errors in Hadamard spectroscopy or imaging caused by imperfect masks (T), AO 14: 2678
- ; **Harwit, Martin**: Fourier and Hadamard transform spectrometers: a limited comparison (T), AO 15: 2664
- ; **Briotta, Daniel A., Jr.**; **Kamath, Narayana S.**; **Harwit, Martin**: Practical multi-spectrum Hadamard transform spectrometer (ET), AO 14: 2533
- Tajima, T.**  
—; **Mima, K.**; **Leboeuf, J. N.**: Magnetic field generation by the Rayleigh-Taylor instability (A), JOSA 68: 549
- Tajime, T.**  
—; **Saheki, T.**; **Ito, K.**: Absorption characteristics of the  $\gamma$ -0 band of nitric oxide (TE), AO 17: 1290
- ; **Saheki, T.**; **Ito, K.**: Absorption characteristics of the  $\gamma$ -0 band of nitric oxide: reply to comments (T) (L), AO 18: 419
- Takagi, Kojiro**  
—; **Curl, Robert F.**: Spectroscopy with modulation sidebands (A), JOSA 64: 1388
- Takahama, K. See Sobagaki, H.**, JOSA 64: 743
- ; **Sobagaki, H.**; **Nayatani, Y.**: Analysis of chromatic-adaptation effect by a linkage model (T), JOSA 67: 651
- Takahara, Hikaru**  
Visibility of interference fringes: effect of the optical guide length in coherent light (E), AO 16: 494
- Visibility of interference fringes produced by two beams of coherent light passing through two optical guides (E) (L), AO 17: 13
- Visibility of speckle patterns: effect of the optical guide length in coherent light (E) (L), AO 15: 609
- Takahashi, A.**  
—; **Katayama, T.**: Automatic design of holographic gratings for Seva-Namioka monochromators (T), JOSA 68: 1254
- Takahashi, Hideo. See Matsuda, Tadashi**, AO 17: 878
- Takahashi, Hidetoshi. See Yamaguchi, Tomuo**, AO 14: 2010, AO 15: 677, JOSA 68: 1039
- ; **Masuda, C.**; **Hosoya, H.**; **Miyaji, K.**: Optical two-way TV transmission (E), OL 4: 24
- Takahashi, K.**  
—; **Nonaka, S.**: Optical directional coupler (A), JOSA 67: 708
- Takahashi, Nobuaki. See Gamo, Hideya**, JOSA 68: 1388
- ; **Gamo, Hideya**: Statistical model of the cw unilateral partially homogeneously broadened ring laser (A), JOSA 69: 1475
- Takahashi, S.**  
—; **Sakaguchi, S.**; **Kubota, K.**; **Ohta, Y.**; **Kondo, M.**; **Sugama, S.**; **Saito, F.**; **Ono, Yuzo**; **Nishida, Nobuo**: Holographic voice response storage (A), JOSA 66: 1062
- Takahashi, Toshihito**  
—; **Konno, Kunio**; **Kawai, Masaharu**; **Isshiki, Masaki**: Computer generated holograms for testing aspheric lenses (E), AO 15: 546
- Takai, Nobukatsu**  
—; **Asakura, Toshimitsu**: Contrast of time-averaged speckle patterns at a defocused image plane (T), JOSA 69: 558
- ; **Asakura, Toshimitsu**: Dynamic statistical properties of vibrating laser speckle in the diffraction field (TE), AO 17: 3785
- Takakura, Toshihiko. See Tako, Toshiharu**, JOSA 69: 1482
- Takami, Michio. See Shimoda, Koichi**, JOSA 69: 1397
- Takasaki, Hiroshi. See Yoshino, Yoichi**, AO 15: 1124, AO 15: 2414
- Biostereometrics 74 symposium, Washington D.C., 10-13 Sep 1974 (M), AO 14: 558
- Takashima, Hideyuki. See Satoshi, Aoki**, OL 4: 346
- Takata, Seiji. See Tamura, Nobuya**, AO 17: 3051
- Takato, Norio. See Kurokawa, Takashi**, AO 17: 686
- Takayama, T. See Matsuda, A.**, AO 13: 1992
- Takeda, Mitsuo**  
—; **Ose, Teruji**: Influence of noise on the measurement of optical transfer functions by the digital Fourier-transform method (TE), JOSA 65: 502



- ; Takesi, Kunio: Modulation transfer function measurement of TV zoom lenses: influence of distortion on the equivalence of normal and inverse conjugate techniques (T), AO 17: 2171
- Takeda, Yasutsugu.** See Tsunoda, Yoshito, JOSA 64: 1396, AO 13: 2046, AO 15: 1398
- Digital spatial modulators (E), AO 13: 825
- ; Tsunoda, Yoshito: Use of heterostructure diode lasers in video disk systems (E), AO 17: 863
- Takenaka, H.** See Kodate, K., AO 14: 522
- Takenaka, Takashi**
- ; Tanaka, Kazumasa; Fukumitsu, Ootozo: Signal-to-noise ratio in optical heterodyne detection for Gaussian fields (T), AO 17: 3466
- Takenaka, Y.** See Tanemura, S., JOSA 67: 251
- Takesi, Kunio.** See Takeda, Mitsuo, AO 17: 2171
- Takeuchi, I.**
- ; Misawa, K.: Successive approximation for determining the hydroxyl rotational temperature (T), AO 18: 3805
- Takeuchi, N.** See Sasano, Y., AO 18: 3908
- ; Shimizu, H.; Okuda, Masahiro: Detectivity of the DAs lidar for NO<sub>2</sub> (T), AO 17: 2734
- Takimoto, H. H.** See Spencer, D. J., AO 13: 2855
- Takiyama, K.** See Tsuji, M., AO 18: 1334
- Takizawa, Kuniharu.** See Okada, Masakatsu, AO 15: 472
- ; Okada, Masakatsu: Analog-to-digital converter: a new type using an electrooptic light modulator (E), AO 18: 3148
- Takken, E. H.**
- ; Friedman, D.; Milton, A. F.; Nitzberg, R.: Least-mean-square spatial filter for IR sensors (T), AO 18: 4210
- ; Cordray, D. Merritt: Simplified analytical formulas for thermal blooming (T) (L), AO 13: 2753
- Tako, Toshiharu.** See Ohtsu, Motoichi, JOSA 68: 650, JOSA 69: 1458, JOSA 69: 1458
- ; Takakura, Toshihiko; Iga, Kenichi: Interferometric measurements of linewidth and frequency stability of a single longitudinal-mode Al<sub>x</sub>Ga<sub>1-x</sub>As laser (A), JOSA 69: 1482
- Talley, Larry D.** See Cox, A. J., AO 17: 3706
- Talmi, Y.** See Larson, N. M., AO 13: 2662
- Talmi, Yair**
- Pyroelectric vidicon: a new multichannel spectrometric infrared (1.0–30-μm) detector (ET), AO 17: 2489
- Talureau, B.** See Langlet, A., AO 16: 1841
- Tam, A. C.**
- ; Patel, C. K. N.; Kerl, R. J.: Measurement of small absorptions in liquids (E), OL 4: 81
- ; Patel, C. K. N.: Optical absorptions of light and heavy water by laser optoacoustic spectroscopy (ET,R), AO 18: 3348
- Tam, Philip S. H.**
- ; Anderson, Wallace L.; Wang, Keith Y.: Asymmetrical Fourier-transform lens design (A), JOSA 64: 1358
- Tam, W. G.** See Zardecki, Andrzej, JOSA 68: 1357
- ; Zardecki, Andrzej: Laser beam propagation in particulate media (T), JOSA 69: 68
- Off beam axis scattering by spherical particles (T) (L), AO 16: 2016
- ; Corriveau, Robert: Scattering of electromagnetic beams by spherical objects (T), JOSA 68: 763
- ; Zardecki, Andrzej: Small-angle multiple scattering of a laser beam (A), JOSA 67: 1376
- Tamir, Theodor.** See Chu, Ruey-Shi, JOSA 66: 220, JOSA 66: 1141, JOSA 66: 1438, JOSA 67: 1555; Fradin, David W., JOSA 66: 292; Shah, V., JOSA 69: 1473
- ; Peng, S. T.: Blazing effects in dielectric gratings (A), JOSA 64: 1365
- Tampieri, Francesco.** See Tomasi, Claudio, AO 15: 2906
- Tamura, Nobuya**
- ; Takata, Seiji: Thermal emissivity of semitransparent and opaque films of cholesteric liquid crystal (E), AO 17: 3051
- Tamura, Poohsan N.** See Lee, T. C., OL 4: 121
- ; Rebholz, Joseph J.; Lee, T. C.: Ambiguity map generation with coherent optics (A), JOSA 69: 1451
- ; Wyant, James C.: Feedback technique for image processing using incoherent light (A), JOSA 66: 1127
- ; Wyant, James C.: On-axis coherent optical feedback system for image processing (A), JOSA 66: 169
- One-step rainbow holography with a field lens (TE) (L), AO 17: 3343
- Pseudocolor encoding of holographic images using a single wavelength (ET), AO 17: 2532
- Tamura, Shinichi**
- ; Tanaka, Kokichi: Multilayer 3-D display adapter (E) (L), AO 17: 3695
- Tan, C. C.** See Wei, J. S., JOSA 66: 291, AO 15: 289
- Tan, T. H.** See van den Berg, P. M., JOSA 64: 325
- Tanaka, Kazumasa.** See Takenaka, Takashi, AO 17: 3466; Tanaka, M., JOSA 67: 819
- Tanaka, Kokichi.** See Tamura, Shinichi, AO 17: 3695
- Tanaka, M.** See Maeda, Minoru, AO 16: 1966, AO 17: 651
- ; Tanaka, Kazumasa; Fukumitsu, Ootozo: Transmission and reflection of a Gaussian beam at oblique incidence on a dielectric slab (T), JOSA 67: 819
- Tanaka, S.** See Inada, K., JOSA 67: 709
- Tanaka, Shun-ichi.** See Hatakoshi, Gen-ichi, OL 2: 142
- Tanaka, Toshiaki P.** See Onoda, Sei-ichi, AO 15: 1930; Satosh, Aoki, OL 4: 346
- ; Yamada, Shoji; Sumi, Masao; Mikoshiba, Koichi: Microbending losses of doubly clad (W-type) optical fibers (ET), AO 16: 2391
- ; Yamada, Shoji: Steady-state characteristics of multimode W-type fibers (T), AO 18: 3261
- ; Onoda, Sei-ichi; Sumi, Masao: W-type optical fiber: relation between refractive index difference and transmission bandwidth (ET) (L), AO 15: 1121
- Tanaka, Toyochi**
- ; Benedek, George B.: Measurement of the velocity of blood flow (in vivo) using a fiber optic catheter and optical mixing spectroscopy (E), AO 14: 189
- Tanaka, Yoshio.** See Palenik, Hans P., JOSA 68: 1564; Yoshino, Kouichi, JOSA 69: 159
- Tanczos, Zsolt**
- Correlation of abnormalities between the spatial and temporal resolution and the chromatic adaptation in the blue mechanism (A), JOSA 68: 551
- Tanemura, S.**
- ; Noguchi, T.; Hirose, K.; Yamada, K.; Takenaka, Y.: Normal spectral reflectance and the normal spectral emittance of the metal-coated glass ceramics (A), JOSA 67: 251
- ; Noguchi, T.; Umez, S.; Yoshiwa, T.: Selective absorption of tungsten layer fabricated by CVD methods (A), JOSA 67: 251
- Tang, C. C.** See Leung, K. M., JOSA 66: 383
- Tang, C. L.** See Blit, S., OL 4: 245; Halbout, J. M., JOSA 69: 1464; Haeisen, Donald C., JOSA 68: 703; Moses, E. I., OL 1: 115
- ; Levin, Kenneth H.; Gammel, J.; Ballantyne, J. M.: Dithered-beam metrology (E) (L), AO 17: 3865
- ; Levin, Kenneth H.: Wavelength-modulation Raman spectroscopy (A), JOSA 68: 646
- Tang, J. T.** See Divergilio, W. F., JOSA 68: 543
- Tang, K. T.**
- ; Poon, K. K.: Continued-factorization method for optical dispersion (T), JOSA 64: 1582
- Tangney, John**
- ; Weisstein, Naomi: Frequency specific adaptation: Temporal factors (A), JOSA 67: 1408
- Tango, W. J.**
- ; Twiss, R. Q.: Diffraction effects in long path interferometers (TE), AO 13: 1814
- Tanganon, G. L.** See Abrams, Richard L., JOSA 66: 389
- ; Persechini, D. L.; Lotspeich, James F.; Barnoski, M. K.: Electrooptic diffraction modulation in Ti-diffused LiTaO<sub>3</sub> (E), AO 17: 3259
- ; Barnoski, M. K.; Lee, A.: Tapered gap prism couplers for high index materials (E) (L), AO 16: 1795
- Tanguay, A. R., Jr.** See Feinberg, Jack, JOSA 69: 1476; Owechko, Y., JOSA 69: 1484
- ; Barker, R. C.: Implications of concurrent optical activity and electric-field-induced birefringence for Pockels readout optical modulator performance (A), JOSA 68: 1449
- ; Mroczkowski, Stanley; Barker, R. C.: Impurity induced photochromic behavior in bismuth silicon oxide (Bi<sub>12</sub>SiO<sub>20</sub>) (A), JOSA 68: 1496
- ; Barker, R. C.: Polarization eigenstate measurement scheme for the discriminations of concurrent optical activity and electric-field-induced birefringence (A), JOSA 68: 1449
- Tani, J.** See Da Costa, German, AO 16: 1754
- Tani, Tadaaki**
- Dye sensitization, past and future, SPSE Vogel Centennial, Windham College, 27-30 Aug 1973 (M), AO 13: 6
- Tanifuji, Tadatoshi**
- ; Ikeda, Masahiro: Pulse circulation characteristics of transmission characteristics in long optical fibers (E), AO 16: 2175
- Tannenbaum, P. M.** See Reilly, C. D., JOSA 68: 1401
- Analytic approximations for the CIE 1964 ten-degree-field color-matching functions (T), JOSA 64: 89
- ; Reilly, C. D.: Chromatic adaptation and the CIE 1976, L\*, a\*, b\* color coordinate system (A), JOSA 68: 1401
- Expansion of a plane wave in terms of Laguerre-Gaussian functions and the spectral response of Selfocs (T), JOSA 65: 1401
- Opponent responses and waveguide nodes in retinal cones (A), JOSA 64: 1386
- Spectral shaping and waveguide modes in human retinal cones (A), JOSA 64: 554
- Tanner, D. B.** See Perkowitz, S., AO 18: 2349
- Tanner, L. H.**
- Camera testing by use of speckle patterns (ET), AO 13: 2026
- Edge-on diffraction of a Gaussian laser beam by a semi-infinite plane: comments (E) (L), AO 15: 857
- Tanre, D.**
- ; Herman, M.; Deschamps, P. Y.; de Leffe, A.: Atmospheric modeling for space measurements of ground reflectances, including bidirectional properties (T), AO 18: 3587
- Tansey, R.** See Slaymaker, Phillip A., JOSA 69: 1475
- ; Slaymaker, Phillip A.: Longitudinal-mode tuning of forward and reverse traveling waves in unstable ring resonators with a fast flowing gain medium (A), JOSA 69: 1475
- Tansley, Brian W.** See Valberg, Arne, JOSA 67: 1330; Ward, Frank, JOSA 64: 760
- ; Valberg, Arne: Chromatic border distinctness: not an index of hue or saturation differences (E), JOSA 69: 113
- Contributions of chromatic mechanisms to visual contour perception (A), JOSA 65: 1193
- ; Boynton, Robert M.: When the trichromat behaves like a tritanope: the distinctness of borders at MDB depends on only two cone types (A), JOSA 65: 1193
- Tanton, G. A.** See Smith, J. Lynn, AO 13: 1451
- ; Meyer, H. C.: Magneto-optical properties of bound-state transitions, and applications (TE), JOSA 65: 1261
- Magneto-optical properties of <sup>7</sup>F<sub>0</sub> yields <sup>5</sup>D<sub>±1</sub> transitions in CaF<sub>2</sub>:Sm<sup>2+</sup> (ET) (L), JOSA 65: 95
- Tape, Walter**
- Geometry of halo formation (T), JOSA 69: 1122
- Geometry of halo formation (T), JOSA 69: 1196
- Tappert, Frederick**
- Diffraction ray tracing of laser beams (T), JOSA 66: 1368
- Tarasov, G. G.** See Arnautov, G. P., AO 13: 310
- Tarbell, Theodore D.**
- Imaging properties of optical arrays with random perturbations (A), JOSA 68: 1406
- Tardif, P.** See Carrel, C., AO 16: 1275
- Tarnove, Theodore L.** See Carlon, Hugh R., AO 16: 1598
- Tartaglia, P.** See Chen, Sow-Hsin, AO 16: 187
- Tarvin, Jeffrey A.**
- Dispersion and white-light interferometric measurements (ET) (L), AO 18: 3213
- ; Sigler, Robert D.; Busch, Gar E.: Wave-front shearing interferometer for cryogenic laser-fusion targets (E), AO 18: 2971
- Tasker, G. W.** See French, William G., AO 15: 1803; Kaiser, P., JOSA 67: 707; Lin, Chinlon, JOSA 67: 255
- ; Simpson, J. R.; Kaiser, P.; French, William G.; Presby, Herman M.: Low-loss single-mode fibers with different B<sub>2</sub>O<sub>3</sub>-SiO<sub>2</sub> compositions (ET), AO 17: 1836
- Tatarczyk, T.** See Becker, K. H., AO 14: 310



- Tateda, Mitsuhiro.** See Ikeda, Masahiro, AO 14: 814
- ; **Ikeda, Masahiro:** Mode conversion in bent step index multimode fibers (E) (L), AO 15: 2308
- ; **Horiguchi, Tsuneo; Tokuda, Masamitsu; Uchida, Naoya:** Optical loss measurement in graded-index fiber using a dummy fiber (E), AO 18: 3272
- Single-mode-fiber refractive-index profile measurement by reflection method (E), AO 17: 475
- Tateiba, M.** See Ooya, T., JOSA 65: 537
- Tatian, Berge**  
Aberration balancing in rotationally symmetric lenses (T), JOSA 64: 1083  
Differentiation of ray-tracing equations (A), JOSA 65: 1176  
Least-squares method utilizing tolerances for use in lens design (A), JOSA 68: 1452  
Optical design program for unsymmetrical systems utilizing exact derivatives (A), JOSA 67: 1428  
Surface-contribution algorithms for analysis and optimization: comment (L), JOSA 66: 628
- Tatsuno, K.** See Tsunoda, Yoshito, AO 15: 1398
- Tauc, Jan.** See Ackley, D. E., JOSA 67: 251, AO 16: 2806; O'Connor, Paul, AO 17: 3226; White, J. O., AO 17: 2427; Zanini, Margherita, AO 15: 3149
- Tavis, M. T.**  
—; **Yura, Harold T.:** Short-term average irradiance profile of an optical beam in a turbulent medium (T), AO 15: 2922
- Tawata, Masahiro.** See Mizuno, Takashi, JOSA 67: 1651
- Taylor, C. E.** See Hovanesian, J. D., JOSA 65: 1187; Hu, C. P., AO 15: 1558; Hung, Y. Y., AO 17: 128
- Taylor, D. W.** See Bloom, David M., OL 4: 297
- Taylor, F. W.**  
—; **Vescelus, F. E.; Locke, J. R.; Foster, G. T.; Forney, P. B.; Beer, Reinhard; Houghton, J. T.; Delderfield, J.; Schofield, J. T.:** Infrared radiometer for the Pioneer Venus orbiter. 1: Instrument description (E), AO 18: 3893  
Remote temperature sounding in the presence of cloud by zenith scanning (ET), AO 13: 1559
- Taylor, G.** See Tyler, I. L., AO 17: 960
- Taylor, George W.**  
Concurrent display of multiple functions (T) (L), AO 14: 1485
- Taylor, Henry F.** See Altman, D. E., JOSA 66: 390
- ; **Caton, William M.; Martin, W. E.:** Channel waveguide electro-optic devices for communications and information processing (A), JOSA 66: 291  
Guided wave electrooptic devices for logic and computation (T), AO 17: 1493  
Losses at corner bends in dielectric waveguides (T), AO 16: 711  
Power loss at directional change in dielectric waveguides (T), AO 13: 642
- Taylor, J. E.** See Chadwick, D., JOSA 67: 709
- Taylor, J. H.**  
Applied Physical Techniques. By R. C. Stanley (B), JOSA 65: 1385
- Taylor, K. N.** See Collins, C. B., JOSA 68: 716
- Taylor, Leonard S.** See Bufton, Jack L., JOSA 65: 1217, AO 15: 2534, AO 16: 2408; Infosino, Charles J., JOSA 65: 1217; Kessler, B. V., JOSA 67: 1368
- ; **Infosino, Charles J.:** Diffraction theory of optical scintillations due to turbulent layers (T), JOSA 65: 78  
Infrared noise caused by turbulent flows (T), AO 17: 3911
- ; **Infosino, Charles J.:** Scintillation effects of high-altitude turbulence (A), JOSA 64: 540
- Taylor, M. J.**  
—; **Davies, P. H.; Brown, D. W.; Woods, W. F.; Bell, I. D.; Kennedy, Chandler J.:** Pulsed CO<sub>2</sub> TEA laser rangefinder, AO 17: 885
- Taylor, R. S.** See Alcock, A. J., JOSA 68: 717; Znotins, T. A., JOSA 67: 1441
- Teague, J. R.** See Jackson, John E., JOSA 66: 1137
- Teague, Michael Reed**  
Image analysis via the general theory of moments (A), JOSA 69: 1468
- Teare, J. D.** See Caledonia, George E., JOSA 65: 1202
- Teasdale, W. A.** See Miller, J. R., JOSA 68: 550
- Tebyani, M.** See Paik, W. H., AO 17: 899
- Teegarden, Kenneth J.** See Jacobs, S. D., AO 13: 2313; Wilk, Stephen R., JOSA 69: 1463
- Teets, R. E.** See Bechtel, J. H., JOSA 69: 1480, AO 18: 4138; Carlson, N. W., JOSA 68: 1412; Kowalski, F. V., JOSA 68: 1611
- Teh, G. A.**  
—; **Stegeman, George I.:** Coupling from a thin film to an optical fiber (E) (L), AO 17: 2483
- ; **Stegeman, George I.:** Mode conversion in a thin film waveguide by a two-stage coupling process (E) (L), AO 18: 145
- ; **Stegeman, George I.:** Symmetrical prism as input coupler for integrated optics (E) (L), AO 17: 3191
- Tehrani, M. M.**  
Ring laser gyro with dither and noise (A), JOSA 69: 1475
- Teich, Malvin Carl.** See Cantor, Barry L., AO 14: 2819, JOSA 65: 786; Elbaum, Marek, JOSA 68: 1421; Prucnal, Paul R., JOSA 68: 1384, JOSA 68: 1421, JOSA 69: 1433, AO 17: 3576, JOSA 69: 539; Vannucci, Giovanni, JOSA 68: 1421, AO 18: 3886
- ; **Prucnal, Paul R.; Vannucci, Giovanni; Breton, Michael E.; McGill, William J.:** Non-Poisson nature of the effective noise in the visual system near threshold (A), JOSA 68: 1454
- ; **Vannucci, Giovanni:** Observation of dead-time-modified photocounting distributions for modulated laser radiation (E), JOSA 68: 1338
- ; **Prucnal, Paul R.; Vannucci, Giovanni:** Optimum photon detection with a simple counting processor (T), OL 1: 208
- ; **Card, Howard C.:** Photocounting distributions for exponentially decaying sources (T), OL 4: 146
- ; **Prucnal, Paul R.:** Photon counting and energy detection in vision (A), JOSA 67: 1426
- ; **Matin, Leonard; Cantor, Barry L.:** Refractoriness in the maintained discharge of the cat's retinal ganglion cell (TE), JOSA 68: 386
- ; **Prucnal, Paul R.; Vannucci, Giovanni; Breton, Michael E.; McGill, William J.:** Role of quantum fluctuations and the Neyman Type-A distribution in human vision (A), JOSA 69: 1469
- ; **Yen, Rainfield Y.:** Three-frequency nonlinear heterodyne detection. 1: cw radar and analog communications (T), AO 14: 666
- ; **Yen, Rainfield Y.:** Three-frequency nonlinear heterodyne detection. 2: Digital communications and pulsed radar, AO 14: 680
- Telle, H.** See Brinkmann, U., JOSA 68: 1624
- Telle, John M.** See Jones, C. Randy, JOSA 68: 671; McDowell, Robin S., OL 4: 274
- Teller, David Y.** See Powers, Maureen K., JOSA 69: 1478
- Teller, Edward.** See Bernhardt, Anthony F., JOSA 68: 685
- Temkin, R. J.** See Biron, D. G., OL 4: 381; Drozdowicz, A., JOSA 68: 710; Rosenbluh, M., AO 15: 2635
- Teng, L. C.**  
Inertially confined fusion with heavy ion beams (A), JOSA 68: 545
- Tenne-Sens, Andrew U.** See Felstead, E. B., AO 14: 363; Kawasaki, Brian S., JOSA 67: 1372, OL 1: 107
- Tentori, D.** See Celaya, M., JOSA 68: 1440, JOSA 69: 1416
- Teodorescu, V.** See Nistor, L. C., AO 18: 3517
- Teppo, E. A.** See Chun, M. K., AO 15: 1942; Ricks, D. W., JOSA 67: 253
- Tercovich, R. G.** See Babcock, R. V., JOSA 68: 543; Feldman, B. J., OL 2: 16
- Terhune, Robert W.**  
Fleury, Pierre (N), JOSA 67: 134
- ; **Anderson, J. E.:** Spectrophonograph measurements of the absorption of visible light by aerosols in the atmosphere (E), OL 1: 70
- Terry, J. L.** See Moos, H. W., AO 18: 1209
- Terui, Hiroshi.** See Kobayashi, Morio, AO 17: 486, AO 17: 3253
- Tescher, A. G.**  
—; **Parsons, J. R.:** Cross-spectrum error criterion as an image quality measure (T), AO 13: 1460
- Tescher, Andrew G.**  
Generalized phase concepts (A), JOSA 65: 1202
- Teschke, Omar.** See Shank, C. V., JOSA 66: 1082
- Tettemer, Gregory L.** See Knoll, John S., AO 15: 2973
- Teuber, D. L.** See Wilson, R. M., AO 16: 944
- Teuber, H.-L.**  
Can blindness illuminate sight? (A), JOSA 65: 1217
- Tewes, W. E.** See Waldrop, F. B., AO 14: 1783
- Texter, John**  
Continuous K/S minimizing distributions in Kubelka-Munk systems (T), JOSA 67: 169
- Thacher, Philip D.**  
Calorimeters for pulsed lasers: calibration (ET), AO 15: 1815  
Refractive index and surface layers of ceramic (Pb,Ln)(Zr,Ti)O<sub>3</sub> compounds (E), AO 16: 3210
- Thacker, J. G.** See Flack, Ronald D., Jr., AO 18: 3841
- Thackray, M.**  
Photographic nucleonics: a record of many lost opportunities in the history of science (R), AO 17: 1683
- Thaxter, J. B.**  
—; **Kestigian, M.:** Unique properties of SBN and their use in a layered optical memory (E), AO 13: 913
- Thekaekara, Matthew P.** See Duncan, Charles H., AO 16: 2690  
Extraterrestrial solar spectrum, 3000–6100 Å at 1-Å intervals (E), AO 13: 518  
Solar irradiance: total and spectral and its possible variations (ER), AO 15: 915
- Thelen, Alfred J.**  
Nonpolarizing interference films inside a glass cube (T), AO 15: 2983  
Optical interference coatings, OSA Topical Meeting, Asilomar, 24–26 Feb 1976 (M), AO 15: 1363  
Optics in Liechtenstein (R), AO 15: 2979  
Thin-film polarizers (A), JOSA 68: 1423  
Use of equivalent index in multilayer design (A), JOSA 66: 161
- Theobald, J. K.** See Lin, C.-H., AO 17: 2486
- Theocaris, P. S.**  
—; **Gdoutos, E. E.:** Distance measuring based on caustics (T), AO 16: 722  
Elliptic polarization represented by the Carter and Smith charts (T), AO 18: 4017  
Properties of caustics from conic reflectors. 1: Meridional rays (T), AO 16: 1705
- ; **Gdoutos, E. E.:** Surface topography by caustics (T), AO 15: 1629
- Thewalt, M. L. W.** See Cornish, W. D., AO 15: 1258
- Thibos, Larry N.** See Cohn, Theodore E., JOSA 64: 1321
- Thiel, Frank L.** See Hudson, Marshall C., AO 13: 2540
- ; **Love, Roy E.; Smith, Rex L.:** In-line connectors for multimode optical waveguide bundles (E) (L), AO 13: 240
- ; **Hawk, R. M.:** Optical waveguide cable connection (E), AO 15: 2785
- ; **Hawk, R. M.:** Optical waveguide cable connection (errata), AO 16: 1468
- Thiel, Manfred A. F.**  
Error calculation of polarization measurements (T), JOSA 66: 65
- Thirtle, J. H.** See Dunn, T. M., JOSA 64: 893
- Thoma, P.** See Behringer, K., AO 18: 2586
- Thomas, A.** See Perrin, J. C., AO 18: 563
- Thomas, Carlton E.**  
Laser fusion systems overview (A), JOSA 66: 390  
Laser fusion target illumination system (ET), AO 14: 1267  
Measurements at 1.06 μm of the laser damage threshold of multilayer dielectric coatings (A), JOSA 66: 165
- ; **Siebert, L. D.:** Pulse shape generator for laser fusion (TE), AO 15: 462
- Thomas, D. T.** See Wilson, R. M., AO 16: 944
- Thomas, David A.**  
—; **Wyant, James C.:** Determination of the dihedral angle errors of a corner cube from its Twyman-Green interferogram (TE), JOSA 67: 467
- Thomas, J. D.** See Sargent, Murray, III, JOSA 68: 700
- Thomas, J. E.** See Kelly, M. J., JOSA 65: 1163; Monchalin, J.-P., OL 1: 5, OL 1: 140
- Thomas, James P.**  
—; **Gille, Jennifer:** Bandwidths of orientation channels in human vision (TE), JOSA 69: 1052
- ; **Barker, Richard A.:** Bandwidths of visual channels estimated from detection and discrimination data (A), JOSA 67: 1408



- Lateral interactions and spatial analysis (A), JOSA 66: 1075
- Multiple-channel model for detecting and discriminating visual patterns (A), JOSA 68: 1420
- Multiple channels and the perception of suprathreshold objects (A), JOSA 69: 1432
- Thomas, John C.**
- ; Schurr, J. Michael: Photon-correlation spectroscopy in the near ultraviolet (E), OL 4: 222
- Thomas, M. E.** See Nordstrom, R. J., AO 17: 2724; Peterson, J. C., AO 18: 834
- Thomas, P. J.**
- ; Rand, S. C.; Landheer, D.; Stoicheff, B. P.: Brillouin spectrum and elastic constants of parahydrogen (A), JOSA 67: 1409
- Thomas, R.** See Hadni, Armand, AO 15: 2150
- Thomas, Robert W. L.** See Basher, Reid E., AO 18: 3361; Holland, Alfred C., AO 17: 2153; Pearce, William A., JOSA 67: 260
- ; Pearce, William A.; Holland, Alfred C.: Aerosol property discrimination through sky polarization measurements (A), JOSA 67: 260
- ; Holland, Alfred C.: Ozone estimates derived from Dobson direct sun measurements: effect of atmospheric temperature variations and scattering (T), AO 16: 613
- ; Holland, Alfred C.: Simple relationship between the UV radiation backscattered by the earth's atmosphere and the vertical ozone profile (T) (L), AO 16: 2581
- Thomas, S. R.** See Frank, A. M., AO 16: 1243
- Thomas, Scott J.** See Ahrenkiel, R. K., JOSA 68: 1389; Phipps, Claude R., Jr., JOSA 66: 383; JOSA 68: 543; OL 1: 93; Sollid, Jon E., AO 17: 2670, AO 17: 3527, AO 18: 424
- Thomason, M. D.** See Montgomery, M. D., JOSA 68: 543
- Thomason, William H.** See Elbers, Don C., AO 17: 308; Macomber, James D., JOSA 66: 1072, JOSA 67: 453
- ; Elbers, Don C.: Inexpensive method to stabilize the frequency of a CO<sub>2</sub> laser (A), JOSA 64: 1359
- ; Macomber, James D.: Laws of optics at high irradiance. II. Experiments with SF<sub>6</sub> at normal incidence (E), JOSA 67: 734
- Thompson, Brian J.** See Dunn, P., JOSA 69: 1402; Sudol, R. J., JOSA 69: 1455
- Multiple imaging by diffraction techniques (R) (L), AO 15: 312
- Thompson, C.** See Greenwood, J. R., JOSA 68: 547
- Thompson, Christopher J. C.**
- ; DeBell, Arthur G.; Wolfe, William L.: Refractive index of ZnSe at 3.8 and 10.6  $\mu\text{m}$  from 80 to 300 K (A), JOSA 68: 1397
- ; DeBell, Arthur G.; Wolfe, William L.: Refractive index of ZnSe at 3.8  $\mu\text{m}$  and 10.6  $\mu\text{m}$ , from 80 K to 300 K (E) (L), AO 18: 2085
- ; Wolfe, William L.: Temperature variations of the refractive index of ZnSe (A), JOSA 66: 1119
- Thompson, G. H. B.** See Garmire, E., AO 15: 1394; Kirkby, P. A., JOSA 66: 293
- Thompson, J. E.**
- ; Hyslop, D. M.; Cathey, J. L.: Interferometric measurement of the transverse Pockels effect in KDP crystal (A), JOSA 68: 1396
- Thompson, J. J.** See Barnes, C., JOSA 68: 543
- Thompson, J. S.** See Goldstein, L. F., AO 14: 2432; Slattery, J. E., AO 14: 2234
- Thompson, K. T.** See Allen, E. A., JOSA 64: 1190
- Thompson, Kevin**
- Image degradation in misaligned optical systems (A), JOSA 69: 1428
- Thompson, L. F.** See Tracy, J. C., AO 13: 1695
- Thompson, P. E.** See McElroy, John H., AO 14: 1297
- Thompson, Randall C.**
- Complete scattering matrix measurements using an electro-optical-modulator-based instrument (A), JOSA 66: 1134
- ; Fry, E. S.: New technique for measuring elements of scattering matrix using electro-optical modulators (A), JOSA 64: 1399
- Thompson, Stephen W.** See Slomba, Albert F., JOSA 64: 538
- Thompson, Winston L.**
- ; Wilkins, J. Ernest, Jr.: Optimal optical systems: two concentric spherical mirrors (A), JOSA 65: 1176
- Thomson, J. Alex**
- ; Meng, James C. S.; Boynton, Frederick P.: Stagnation and transonic effects in thermal blooming (T), AO 16: 355
- Thomson, Robb**
- Solar Energy Thermal Processes. By J. Duffie and W. Beckman (B), AO 14: 1736
- Sunlight into Electricity: Prospects for Solar Energy Conversion by Photovoltaics. By Joseph A. Merrigan (B), AO 14: 2306
- Thorngate, John H.** See Hawthorne, Alan R., AO 17: 724
- Thornton, B. S.**
- Limit of the moth's eye principle and other impedance-matching corrugations for solar-absorber design (T), JOSA 65: 267
- Limit of the moth's eye principle and other impedance-matching corrugations for solar-absorber design (errata), JOSA 65: 748
- Thorpe, Thomas E.** See Klaasen, Kenneth P., AO 16: 3158
- Thorsell, D.** See Weiss, R. E., JOSA 67: 260
- Thorsos, E.** See Skupsky, Stanley, JOSA 68: 549; Steel, Duncan G., JOSA 68: 550
- Thorsrud, J.** See Hansen, V., AO 15: 2418
- Thum, C.** See Hofmann, W., AO 16: 3125
- Thyagarajan, K.** See Chandra, Ram, AO 17: 2842; Ghatak, A. K., JOSA 65: 169; Gupta, Anjana, JOSA 66: 1320; Rohra, Aruna, JOSA 69: 300
- ; Sharma, Anurag; Ghatak, A. K.: Efficient coupling of incoherent light into optical fibers and bundles (T), AO 17: 2416
- ; Sharma, Anurag; Ghatak, A. K.: Efficient coupling of incoherent light into optical fibers and bundles (errata), AO 18: 607
- ; Ghatak, A. K.: Pulse broadening in optical fibers (T) (L), AO 16: 2583
- ; Ghatak, A. K.: Pulse broadening in optical fibers (errata), AO 17: 2772
- Tibbetts, Raymond E.**
- ; Wilczynski, Janusz S.: Improved lens designs for microelectronics applications (A), JOSA 68: 1374
- ; Wilczynski, Janusz S.: Influence of condenser design and arc lamps on performance of projection lenses (A), JOSA 66: 1113
- Tichenor, D. A.**
- ; Goodman, Joseph W.: Restored impulse response of finite-range image deblurring filter (ET) (L), AO 14: 1059
- Tiee, Joe J.**
- ; Wittig, Curt: 0.1 J CF<sub>4</sub> laser operating in the 16  $\mu\text{m}$  region (A), JOSA 68: 672
- Tiel, F. K.** See Marowsky, G., JOSA 68: 701
- Tien, C. L.** See Chow, L. C., AO 15: 378
- Atmospheric corrections for airborne measurements of water surface temperature (T) (L), AO 13: 1745
- Tien, P. K.** See Capik, R. J., JOSA 67: 1392; Pole, Robert V., AO 14: 569
- Curved-line gratings and their applications in integrated optics (A), JOSA 68: 1364
- ; Martin, R. J.; Riva-Sanseverino, S.: Low-loss junctions between dielectric and metal-clad dielectric waveguides (A), JOSA 66: 288
- Method of forming novel curved-line gratings and their use as reflectors and resonators in integrated optics (TE), OL 1: 64
- Semiconductor Lasers and Heterojunction LEDs. By Henry Kressel and J. K. Butler (B), AO 17: 2863
- Tietz, George E.**
- Spatial variation in the response of laser calorimeters (E) (L), AO 16: 1136
- Tiffany, W.** See Toepfer, A. J., JOSA 68: 549
- Tilford, Charles R.**
- Analytical procedure for determining lengths from fractional fringes (T), AO 16: 1857
- Tilford, Shelby G.** See Brown, Charles M., JOSA 64: 877, JOSA 64: 1665, JOSA 65: 385, JOSA 65: 1404, JOSA 67: 584, JOSA 67: 607, JOSA 67: 1240; Michels, Donald J., JOSA 64: 529
- Tilton, Homer B.**
- Displays in hyperspaceform perception experiments (A), JOSA 68: 1420
- Rod receptors in color vision (A), JOSA 68: 1399
- Scotopic luminosity function and color-mixture data (T), JOSA 67: 1494
- Timberlake, George T.** See Riva, Charles E., AO 18: 2486
- Timmermann, C. C.**
- Asymptotic expression for the far field distribution of step-index single-mode fibers (T) (L), AO 16: 1793
- Handling optical cables: safety aspects (T), AO 16: 2380
- Handling optical cables: safety aspects; reply to comments (T) (L), AO 17: 1987
- Highly efficient light coupling from GaAlAs lasers into optical fibers (E), AO 15: 2432
- Timothy, J. Gethyn.** See Lapson, L. B., AO 15: 1218; Reeves, E. M., AO 16: 837, AO 16: 849
- ; Lapson, L. B.: Channel electron multipliers as secondary standard detectors at EUV wavelengths (E), AO 13: 1417
- ; Bybee, R. L.: One-dimensional photon-counting detector array for use at EUV and soft x-ray wavelengths (E), AO 14: 1632
- Recent progress with multianode microchannel arrays (A), JOSA 68: 1441
- Timusk, T.** See Douglas, R. J., AO 13: 723
- Tingey, David L.**
- Data from the Skylab stratospheric aerosol limb experiment (A), JOSA 67: 258
- Tinker, C. B.** See Hayhoe, Mary M., JOSA 69: 1453
- Tinkham, M.** See Weitz, D. A., OL 3: 13
- Tinor, Tom.** See Semmlow, John L., JOSA 68: 1497
- Tirosh, E.** See Ben-Yosef, N., AO 18: 2462, JOSA 69: 1616
- Tisone, G. C.** See Gerber, Robert A., JOSA 68: 549; Hays, A. K., JOSA 66: 1099; Hoffman, J. M., JOSA 68: 651; Patterson, E. L., JOSA 68: 651
- Title, Alan M.** See Peterson, Ruth C., AO 14: 2527; Roche, Aidan E., AO 14: 765
- ; Pope, Thomas P.; Andelin, John P., Jr.: Drift in interference filters. Part 1 (E), AO 13: 2675
- Drift in interference filters. 2: Radiation effects (ET), AO 13: 2680
- Improvement in birefringent filters. 4: The alternate partial polarizer filter (TE), AO 15: 2871
- ; Rosenberg, W. J.: Improvement in birefringent filters. 5: Field of view effects (T), AO 18: 3443
- Improvement of birefringent filters. 2: Achromatic waveplates, AO 14: 229
- Improvement of birefringent filters. 3: Effect of errors on wide field elements (T), AO 14: 445
- Tunable filters for spaceflight (A), JOSA 68: 1431
- Tittel, F. K.** See Blit, S., JOSA 67: 1384, OL 1: 58, AO 17: 721, AO 18: 733; Epton, P. J., AO 18: 1704; Ernst, W. E., JOSA 68: 1356; Gerhardt, H., JOSA 68: 626; Kasper, J., JOSA 68: 1357; Marowsky, G., AO 17: 3491; Pollock, C. R., JOSA 69: 1463, AO 18: 1907; Rabson, Thomas A., JOSA 64: 1394; Stickel, R. E., Jr., AO 17: 2270; Woodbury, D. A., JOSA 68: 1442, AO 18: 2555
- Titterton, E. W.** See Ray, P. S., JOSA 68: 550
- Titterton, Paul J.**
- Atmospheric optical communication workshop, Oregon Graduate Center, 21-23 Jan 1976 (M), AO 16: 785
- Effects of system inaccuracies on the probability of bit error for pulsed communication systems (T), AO 13: 1034
- Long-term uplink irradiance statistics from reciprocity (T) (L), AO 14: 805
- Practical limitation on M-ary optical communications data rates (T) (L), AO 14: 567
- Titz, Milos**
- Fields and Particles: An Introduction to Electromagnetic Wave Phenomena and Quantum Physics. By Francis Bitter and Heinrich A. Medicus (B), AO 13: 2958
- Symmetry Principles and Atomic Spectroscopy. By Brian G. Wybourne (B), AO 13: 212
- Tkachuk, Russell**
- ; Kuzina, Fred D.: Sulfur as a proposed near infrared reflectance standard (E), AO 17: 2817
- Tobey, Frank L., Jr.** See Enoch, Jay M., JOSA 67: 1362, JOSA 68: 1130
- Tobias, C. W.** See McLarnon, F. R., AO 14: 2468, JOSA 65: 1011
- Tobin, E. D.** See Arguello, R. J., JOSA 67: 1364
- Tobin, M. S.**
- ; Sattler, J. P.; Wood, G. L.: Optically pumped CD<sub>3</sub>F submillimeter-wave laser (E), OL 4: 384
- Tobin, Marvin C.**
- Advances in Infrared and Raman Spectroscopy, Volume 5. Edited by R. J. M. Clark and R. E. Hester (B), AO 18: 1538
- Higher Excited States of Polyatomic Molecules. By Melvin B. Robin (B), JOSA 65: 746
- Molecular Spectroscopy: Modern Research, Volume 2. Edited by K. Narahari Rao (B), JOSA 67: 982



- Ondes Electromagnetiques. 1: Propagation libre; 2: Propagation guidee. By M. Jouguet (B), AO 18: 3197
- Vibrational Spectra and Structure, Volume 2. Edited by James R. Durig (B), JOSA 65: 970
- Vibrational Spectra and Structure, Volume 3. Edited by James R. Durig (B), JOSA 65: 1386
- Vibrational Spectra and Structure, Volume 5. Edited by James R. Durig (B), JOSA 67: 416
- Tobin, Mary S.**
- ; Jensen, Richard E.: Far IR laser with metal-dielectric waveguide to observe the Stark effect (E) (L), AO 15: 2023
- Tocho, J. O.** See Sandoval, H. F. Ranea, AO 18: 1705
- Toda, Kohji.** See Sato, Heihachi, AO 16: 1280
- Todd, T. R.** See Eng, R. S., AO 18: 1088, AO 18: 3438
- Toepfer, A. J.** See Mix, L. P., JOSA 68: 549
- ; Tiffany, W.: Stability of multiple shell ICF capsules (A), JOSA 68: 549
- Toft, Albert R.** See Hass, Georg, JOSA 67: 1429, AO 18: 1488; Osantowski, John F., JOSA 65: 1169, JOSA 66: 1119
- Togami, Yuji**
- ; Chiba, Takao: Limitation of the observable surface acoustic wave amplitude in frequency-shift holography (TE), AO 17: 1760
- Tognazzi, R.** See Consortini, Anna, AO 14: 1565
- Tokuda, A. R.**
- ; Auth, David C.; Bruckner, Adam P.: Development of a holocamera for 3-D microscopy of the unanesthetized human eye (A), JOSA 68: 1382
- Tokuda, Masamitsu.** See Tateda, Mitsuhiro, AO 18: 3272
- Tokumitsu, J.**
- ; Kawata, S.; Ichioka, Yoshiki; Suzuki, Tatsuro: Adaptive binarization using a hybrid image processing system (ET), AO 17: 2655
- Toler, Joseph R.** See Epstein, L. Ivan, JOSA 64: 1372
- Tolles, P.** See Stetter, F., JOSA 66: 634, AO 15: 2315
- Tolliver, David E.** See Shy, J. T., JOSA 69: 1458
- Tolnas, E.** See Bretz, Norton, AO 17: 192
- Tomasetta, L. R.** See Law, H. D., JOSA 68: 632
- Tomasi, Claudio**
- ; Tampieri, Francesco: Infrared radiation extinction sensitivity to the modified gamma distribution parameters for haze and fog droplet polydispersions (TE), AO 15: 1700
- Tomishima, Kazunaru.** See Tsukada, Noriaki, JOSA 69: 705
- Tomita, A.** See Hopf, Frederic A., JOSA 69: 968
- Tomiyama, Ken.** See Pierluissi, Joseph H., AO 18: 1607
- Tomkins, Frank S.** See Butts, R. R., JOSA 68: 551; Fonck, F. J., JOSA 68: 551; Fred, Mark S., JOSA 67: 7; Mahon, Rita, OL 4: 360; Parkinson, W. H., JOSA 68: 535
- ; Lu, K. T.: Diamagnetic effect of autoionizing resonances in atoms (A), JOSA 68: 1446
- Furnace spectra of neutral uranium (A), JOSA 65: 1188
- ; Crosswhite, Hannah; Crosswhite, Henry M.: High-lying levels in U I from absorption spectra (A), JOSA 66: 1068
- Tomlinson, W. J.** See Bjorklund, Gary C., JOSA 66: 292; Bloom, David M., JOSA 68: 645; Chandross, E. A., JOSA 66: 1083, AO 17: 566; Mollenauer, L. F., JOSA 66: 1109, JOSA 66: 1115, AO 16: 555; Smith, P. W., JOSA 69: 1421
- ; Mollenauer, L. F.: Balanced interferometers with simply adjustable interference angle (T) (L), AO 16: 1806
- Dynamics of photochromic conversion in optically thick samples: theory (T), AO 15: 121
- ; Chandross, E. A.; Weber, H. P.; Aumiller, G. D.: Multicomponent photopolymer systems for volume phase holograms and grating devices (A), JOSA 65: 1220
- ; Chandross, E. A.; Weber, H. P.; Aumiller, G. D.: Multicomponent photopolymer systems for volume phase holograms and grating devices (E), AO 15: 534
- Optical Fibre Waveguides. Edited by P. J. B. Clarricoats (B), JOSA 67: 982
- ; Aumiller, G. D.: Technique for measuring refractive index changes in photochromic materials (TE), AO 14: 1100
- Time multiplexed spectrometer for time-resolved spectroscopy and optical fiber measurements (A), JOSA 69: 1462
- Volume holograms in photochromic materials (T), AO 14: 2456
- Wavelength multiplexing in multimode optical fibers (T), AO 16: 2180
- Tomov, I. V.** See Fedosejevs, R., JOSA 68: 660
- Tompkins, E. N.** See Colburn, W. S., AO 13: 2934
- Tondello, Giuseppe.** See Cantu, A. M., AO 14: 996, JOSA 64: 699, JOSA 67: 1030; Garifo, L., AO 18: 1900; Huber, Martin C. E., AO 18: 3948, JOSA 64: 390; Jannitti, E., OL 4: 187; Nicolosi, Piergiorgio, JOSA 67: 1033; Roig, Randy A., JOSA 65: 829
- ; Huber, Martin C. E.: Spectra of high-resolution holograms in the extreme-ultraviolet by use of toroidal gratings (A), JOSA 68: 1431
- Toni, J. E.** See Da Costa, German, AO 15: 316
- Tonin, Renzo**
- ; Bies, David Alan: Analysis of 3-D vibrations from time-averaged holograms (TE), AO 17: 3713
- ; Bies, David Alan: General theory of time-averaged holography for the study of three-dimensional vibrations at a single frequency (TE), JOSA 68: 924
- Tonna, G.** See Corradini, C., AO 18: 1706
- Toon, Owen B.** See Turco, R. P., JOSA 67: 259
- ; Pollack, James B.: Stratospheric aerosols and climatic change (A), JOSA 67: 260
- Topalian, J.** See Spiller, Eberhard, JOSA 66: 78
- Toraskar, Jayashree R.**
- Focusing crystal polarimeter designed for x-ray polarimetry: construction and performance (E), AO 14: 1727
- Torii, Yasuhiro**
- ; Mizushima, Yoshihiko: Theory of alignment monitoring by diffraction from superimposed dual gratings (T), JOSA 68: 1716
- Tornberg, N. E.** See Pai, K. F., JOSA 67: 914
- Torr, D. G.** See Torr, M. R., AO 15: 600
- Torr, M. R.**
- ; Hays, P. B.; Kennedy, B. C.; Torr, D. G.: Photometer calibration error using extended standard sources (ET) (L), AO 15: 600
- Torres, L. H.** See Clair, J. J., JOSA 64: 544
- Torza, S.** See Kurkjian, C. R., JOSA 67: 706
- Toscano, G.** See Borghese, F., AO 18: 116
- Toschek, P. E.** See Cahuzac, Ph., JOSA 68: 713; Hoffmann, V., JOSA 66: 152; Neuhauser, W., JOSA 68: 623
- Toth, Robert A.** See Menzies, Robert T., AO 16: 523
- Temperature sounding from the absorption spectrum of CO<sub>2</sub> at 4.3  $\mu$ m (TE), AO 16: 2661
- Tourin, Richard H.**
- Aerial infrared surveys of power-plant thermal discharges (A), JOSA 64: 1405
- Tousey, Richard.** See Bartoe, John-David F., AO 16: 879; Brown, Charles M., JOSA 64: 1665; Crockett, W. R., AO 16: 893; Garrett, D. L., AO 16: 898; Koomen, M. J., AO 14: 743; Patterson, N. P., AO 16: 922; VanHoesier, M. E., AO 16: 887
- Apollo telescope mount of Skylab: an overview (R), AO 16: 825
- ; Bartoe, John-David F.; Brueckner, Guenther E.; Purcell, J. D.: Extreme ultraviolet spectroheliograph ATM experiment S082A (E), AO 16: 870
- Results from the NRL XUV experiments on Skylab (A), JOSA 64: 523
- Townes, C. H.**
- Infrared heterodyne astronomy—applied quantum electronics (A), JOSA 68: 637
- Toyooka, Satoru**
- Elimination of wavefront aberration of optical elements used in phase difference amplification (ET), AO 13: 2014
- Holographic interferometry with increased sensitivity for diffusely reflecting objects (E), AO 16: 1054
- Toyoshima, Yoshio.** See Zembutsu, Sakae, AO 14: 3073
- Tozzi, G. P.** See Cantu, A. M., JOSA 67: 1030
- Trabjerg, Ib**
- Applied Spectroscopy Reviews, Volume 6. Edited by Edward G. Brame, Jr. (B), AO 13: 686
- Applied Spectroscopy Reviews, Volume 7. Edited by Edward G. Brame, Jr. (B), AO 14: A45
- Trabka, E. A.**
- ; Doerner, E. C.: Random-dot parameters for real, monodisperse photographic emulsions (A), JOSA 64: 1401
- Tracy, D. H.** See Fonck, F. J., JOSA 68: 551; Fonck, R. J., AO 17: 1739
- Luminous flux amplification in Fabry-Perot spectrometry: comment (T) (L), AO 18: 1475
- Tracy, J. C.**
- ; Thompson, L. F.; Heidenreich, R. D.; Merz, J. L.: Gratings for integrated optics by electron lithography (E), AO 13: 1695
- Tracy, John.** See Yeh, Pochi, JOSA 68: 1449
- Trainer, M. N.** See Wertheimer, A. L., JOSA 69: 1451
- Trainor, Daniel W.**
- ; Mani, Siva A.: Atomic calcium laser: pumped via collision-induced absorption (A), JOSA 68: 1645
- Tran, Danh C.** See Simmons, Joseph H., AO 18: 2732
- Trarieux, P.** See Authier, B., AO 18: 3081
- Trask, Terry O.** See Havrilla, George J., AO 17: 3525
- Traub, Wesley A.**
- ; Stier, Mark T.: Theoretical atmospheric transmission in the mid- and far-infrared at four altitudes (T), AO 15: 364
- Trauger, John T.**
- Broad-band dielectric mirror coatings for Fabry-Perot spectroscopy (A), JOSA 66: 160
- Broadband dielectric mirror coatings for Fabry-Perot spectroscopy (TE), AO 15: 2998
- Travis, John C.** See King, David S., AO 16: 2617
- Treber, N.** See Rau, K., JOSA 67: 706
- Treffers, Richard R.**
- Signal-to-noise ratio in Fourier spectroscopy (T), AO 16: 3103
- Trefler, Martin**
- ; Gray, Joel E.: Characterization of the imaging properties of x-ray focal spots using a random object array (A), JOSA 65: 1189
- ; Gray, Joel E.: Characterization of the imaging properties of x-ray focal spots (E), AO 15: 3099
- Tregidgo, K.** See Speer, R. J., AO 18: 2003
- Treheux, M.** See Bouillie, R., AO 13: 1045; Cozannet, A., AO 14: 1345; Steiner, K.-H., AO 13: 1754
- ; Bouillie, R.: Influence of baseband frequency responses of optical components on the transmission system design (A), JOSA 67: 708
- Trejo, Leonard J.**
- ; Cicerone, Carol M.: Pupillary light reflex in rats with hereditary retinal degeneration (A), JOSA 69: 1478
- Tremain, D. E.**
- ; Mei, K. K.: Application of the unimoment method to scattering from periodic dielectric structures (T), JOSA 68: 775
- Tremblay, R.** See Blanchard, M., JOSA 68: 1389; Rioux, Marc, AO 17: 1532
- Trenchard, H. A.** See Betts, Gary E., AO 17: 2346
- Trenholme, John B.** See Glass, Alexander J., JOSA 66: 390; Glaze, James A., AO 13: 2808; Greenbaum, Anne, AO 15: 2579; Hagen, W. F., JOSA 68: 542; Linford, Gary J., JOSA 68: 548; Weber, Marvin J., JOSA 66: 388
- Treu, Jesse I.**
- Mie scattering, Maxwell Garnett theory, and the Giaeever immunology slide (ET), AO 15: 2746
- Treves, D.** See Hardy, Amos A., AO 14: 589; Levy, Y., AO 16: 2293
- Treves, D.** See De Biase, Giuseppe A., JOSA 64: 335
- Tribillon, Gilbert**
- Contouring by projection of multiple wavelength speckle patterns (A), JOSA 68: 1391
- Determination of surface roughness by correlation of multiple wavelength speckle patterns (A), JOSA 66: 180
- Image processing, OSA Topical Meeting, Asilomar, 24-26 Feb 1976 (M), AO 15: 1662
- Possible uses for frequency sweeping in Fourier optics (A), JOSA 68: 1375
- Speckle and holography applied to contouring (A), JOSA 67: 1389
- Trick, Gary L.**
- ; Dawson, William W.; Barris, Michael C.: Contribution of the central retina to laser speckle VERs (A), JOSA 69: 1486
- ; Guth, Sherman L.: Effect of wavelength on binocular summation (A), JOSA 68: 1438
- ; Guth, Sherman L.: Heterochromatic luminance additivity and the CFF response (A), JOSA 67: 1379
- Trick, Linda R.** See Barris, Michael C., JOSA 69: 1477



- Tricker, R. A. R.**  
—; Arcs associated with halos of unusual radii (T), JOSA 69: 1093
- Tricoles, G.**  
—; Rope, E. L.; Hayward, R. A.: Filtering and extending the spectra of antenna nearfields reconstructed from measurement on a spherical surface (A), JOSA 66: 634
- ; Rope, E. L.; Yue, O. C.: Microwave holography with waves guided by a dielectric slab (A), JOSA 64: 563
- ; Rope, E. L.; Hayward, R. A.: Scattered microwave fields near a finite, planar, dielectric slab (A), JOSA 67: 1394
- Triebel, W.** See Daehne, S., JOSA 68: 683
- Trimmer, J. R.** See Chivian, Jay S., JOSA 65: 357
- Triolo, J. J.** See Hass, Georg, AO 14: 2639; Heaney, J. B., JOSA 64: 1384
- Tripatri, V. K.** See Sodha, M. S., JOSA 64: 941
- Trolinger, J.**  
—; Simpson, G.: Diagnostics of high-energy laser cavities using holographic techniques (A), JOSA 66: 384
- Trolinger, James D.**  
Application of generalized phase control during reconstruction to flow visualization holography (ET), AO 18: 766
- ; Heap, Michael P.: Coal particle combustion studied by holography (E), AO 18: 1757
- Trotel, J.** See Ostrowsky, D. B., AO 13: 636
- Trotter, J. C.** See Micheron, F., AO 13: 784
- Trotter, D. M., Jr.**  
—; Schiff, E. A.: Alignment of a Fourier transform spectrometer for measuring high temperature reflectivities (E) (L), AO 17: 3529
- ; Sievers, A. J.: Maximum figures of merit of spectrally selective solar absorbers (A), JOSA 69: 1400
- Trowbridge, T. S.**  
—; Reitz, K. P.: Average irregularity representation of a rough surface for ray reflection (TE), JOSA 65: 531
- Retrorreflection from rough surfaces (T), JOSA 68: 1225
- Truax, Bruce E.** See Moore, Duncan T., JOSA 67: 1365, JOSA 68: 1415, AO 18: 91
- Truby, F. K.** See Patterson, E. L., JOSA 68: 651
- Trudeau, Norman R.**  
—; Howland, Bradford: Design for high-accuracy critical-angle sun transit sensor (A), JOSA 66: 1095
- Truemper, J.** See Buermann, K. P., AO 17: 2304; Braeuninger, H., AO 18: 3502
- Trumble, K.** See Dworkin, L., JOSA 67: 709
- Trumbo, D.** See Livingston, William C., AO 15: 40
- Truong, V. V.** See Chee, K. T., AO 18: 1702
- ; Larracy, N.: Collective oscillations of electrons in aggregated noble-metal films (T) (L), AO 17: 2136
- ; Scott, G. David: Light scattering from aggregated noble-metal films (E), JOSA 68: 189
- ; Scott, G. David: Optical constants of aggregated gold films (ET), JOSA 66: 124
- ; Scott, G. David: Optical properties of aggregated noble metal films (ET), JOSA 67: 502
- ; LeBlanc, L. J.; Turpin, G. J.: Optical properties of bulk niobium from 6.6 to 23 eV (E), JOSA 68: 1017
- Trussell, H. J.** See Cannon, T. M., AO 17: 3384
- ; Hunt, B. R.: Improved computation methods for nonlinear digital image restoration (A), JOSA 66: 1111
- ; Breedlove, J. R., Jr.: Scan-playback corrections (T) (L), AO 16: 2359
- Trusty, Gary L.**  
—; Cosden, Thomas H.: Aerosol size distributions over the North Atlantic and the Mediterranean (A), JOSA 67: 1370
- Atmospheric aerosol distribution measurements for visible and IR transmission analysis (A), JOSA 66: 1087
- ; Cosden, Thomas H.: Coastal aerosol measurements (A), JOSA 67: 256
- ; Curcio, J. A.; Cosden, Thomas H.: Fog measurements for optical transmission prediction (A), JOSA 68: 1358
- Recent measurements of marine aerosols (A), JOSA 65: 1201
- Truszkowska, K.**  
—; Borowicz, T.; Wesolowska, C.: Algorithm for determining the optical constants of thin films (TE), AO 17: 1579
- Trutna, W. Rick.** See Byer, Robert L., JOSA 68: 1622, OL 3: 144
- ; Sheng, Shinan-Chur: Cavity dumping using the antiresonant ring (A), JOSA 66: 1133
- ; Park, Y. K.; Byer, Robert L.: Stimulated Raman threshold measurements in H<sub>2</sub> gas using a single axial mode Q-switched Nd:YAG laser (A), JOSA 68: 1395
- Tsai, C. S.** See Nguyen, Le T., AO 16: 1297; Sheem, Sang K., AO 17: 892; Yao, S. K., AO 16: 3032
- ; Kim, B.; Saunier, P.; Nguyen, Le T.: Acousto-optic Bragg diffraction using multiple-surface acoustic waves and electro-optic deflection/modulation using tilted electrodes (A), JOSA 66: 289
- ; Yao, S. K.: Acoustooptic Bragg-diffraction with application to ultrahigh data rate laser communication systems. 2: Experimental results of the SUBC and the acoustooptical multiplexer/demultiplexer terminals (ET), AO 16: 3044
- High-performance guided-wave acousto-optic beam deflectors (A), JOSA 66: 385
- Tsai, T. L.** See Hsu, T. Y., AO 16: 1543
- Tsai, Wen-Chung**  
—; Pogorzelski, Ronald J.: Eigenfunction solution of the scattering of beam radiation fields by spherical objects (T), JOSA 65: 1457
- ; Pogorzelski, Ronald J.: Eigenfunction solution of the scattering of beam radiation fields by spherical objects (errata), JOSA 66: 401
- Tsang, Won-Tien.** See Ranganath, T. R., AO 14: 1847
- ; Wang, Shyh: GaAs-Ga<sub>1-x</sub>As<sub>x</sub> double-heterostructure injection lasers with distributed Bragg reflectors (A), JOSA 66: 292
- ; Wang, Shyh: Lateral optical confinement in GaAs-Ga<sub>0.7</sub>Al<sub>0.3</sub> as heterostructure waveguides fabricated by liquid-phase epitaxy over preferentially etched channels (A), JOSA 66: 288
- ; Tseng, Cheng-Chung; Wang, Shyh: Optical waveguides fabricated by preferential etching (E), AO 14: 1200
- Theoretical modeling of the simultaneous exposure and development (SED) process of a positive photoresist (TE), AO 16: 1918
- Tsay, Wei Shin.** See Rothschild, Mordecai, JOSA 68: 683
- Tsay, Yet-Ful.** See Bendow, Bernard, AO 13: 2382; Lipson, Herbert G., AO 15: 2352; Mitra, S. S., AO 14: 3038
- Tschudi, Theo.** See Heiniger, F., AO 18: 1577; Indebetouw, G., JOSA 66: 169, AO 15: 516, AO 17: 911; Keller, Rene, AO 14: 1616
- ; Herziger, G.; Engel, A.: Particle size analysis using computer-synthesized holograms (E), AO 13: 245
- Tschunko, Hubert F. A.**  
Annular apertures with high obstruction (T) (L), AO 13: 22
- Annular apertures with high obstruction: reply to comment (T) (L), AO 13: 2774
- Apodization and image contrast (T) (L), AO 18: 955
- Imaging performance of annular apertures (TE), AO 13: 1820
- Imaging performance of annular apertures. 2: Line spread functions (TE), AO 17: 1075
- Imaging performance of annular apertures. 3: Apodization and modulation transfer functions (T), AO 18: 3770
- Tseng, Cheng-Chung.** See Tsang, Won-Tien, AO 14: 1200
- Tseng, David Y.** See Hessel, A., JOSA 65: 380
- ; Soffer, B. H.; Neeland, J. K.: Imaging with random arrays (A), JOSA 66: 1128
- Polarization reference imaging systems. 2: Computer simulation studies (T), AO 15: 1411
- Tsivinsky, A.** See Ray, P. S., JOSA 68: 550
- Tso, Mark O. M.**  
Functional and pathologic studies of photic injury to the monkey and human macula (A), JOSA 64: 1397
- Tsongas, G. A.** See Hard, T. M., AO 18: 3216
- Tsuchiya, H.**  
—; Hatakeyama, Iwao: Fusion splices for single-mode optical fibers (A), JOSA 67: 709
- Tsuchiya, Haruhiko.** See Hatakeyama, Iwao, AO 17: 1959; Murakami, Yasuji, AO 18: 1101
- ; Nakagome, Hiroshi; Shimizu, Nobuo; Ohara, Seiji: Double eccentric connectors for optical fibers (E), AO 16: 1323
- Tsui, Po-Chuan.** See Wang, Ta-Keng, AO 13: 1379
- Tsuji, M.**  
—; Shigesawa, H.; Takiyama, K.: Eigenvalues of a nonconfocal laser resonator with an output-coupling aperture (T), AO 18: 1334
- Tsujiyama, Kiyoyuki.** See Sato, Takuso, AO 15: 1229
- Tsujiishi, Ryoko.** See Tsukada, Noriaki, JOSA 69: 705
- Tsujiuchi, Junpei.** See Iwata, Fujio, AO 13: 1327, AO 13: 2190; Ueha, Sadayuki, AO 14: 1478
- Analog image processing in Japan (A), JOSA 66: 170
- Tsukada, K.** See Aoki, F., JOSA 67: 709
- Tsukada, Noriaki**  
—; Tsujinishi, Ryoko; Tomishima, Kazunaru: Effects of the relative phase relationships of gratings on diffraction from thick holograms (T), JOSA 69: 705
- Tsukada, Toshihisa**  
Buried-heterostructure DFB lasers (A), JOSA 66: 288
- Tsukamoto, K.**  
—; Ishii, Akira; Ishida, A.; Sumi, Masao; Uchida, Naoya: Holographic information retrieval system (E), AO 13: 869
- Tsukiji, M.** See Yoshino, Yoichi, AO 15: 2414
- Tsunoda, Yoshito.** See Huang, Alan, AO 18: 149; Takeda, Yasutsugu, AO 17: 863
- ; Goodman, Joseph W.: Combined optical AD conversion and page composition for holographic memory applications (E) (L), AO 16: 2607
- ; Takeda, Yasutsugu: High density image-storage holograms by a random phase sampling method (E), AO 13: 2046
- ; Tatsuno, K.; Kataoka, K.; Takeda, Yasutsugu: Holographic video disk: an alternative approach to optical video disks (E), AO 15: 1398
- ; Takeda, Yasutsugu: Three-dimensional color information storage on 35 mm roll film by composite holography (A), JOSA 64: 1396
- Tsuruta, Tadao**  
—; Itoh, Yoshinobu; Shirasu, Hiroshi: Pattern comparison by interference fringe scanning (E), AO 13: 1089
- Tsvik, R. Sh.** See Banakh, V. A., JOSA 64: 516
- Tualy, J.** See Langlet, A., AO 16: 1841
- Tuan, H. S.** See Hsu, T. Y., AO 16: 1543
- Tuan, Vo Dinh**  
—; Wild, Urs P.: High resolution luminescence spectrometer. 2: Data treatment and corrected spectra (E), AO 13: 2899
- Tabbs, Eldred F.**  
Concave-grating interferometer (A), JOSA 66: 1090
- Concave-grating interferometers (A), JOSA 68: 1390
- Stigmatic imaging with a pair of concave gratings (E) (L), AO 18: 1298
- Tabbs, L. D.**  
—; Gasparovic, R. F.; Emmons, G. H.: Measured spatial variations of transmittance and emissivity of infrared windows (A), JOSA 65: 1169
- Tucciarone, J. M.** See Plotz, G. A., JOSA 69: 419
- Tucker, Armin W.** See Fincher, C. L., JOSA 66: 1123, AO 16: 1359
- ; Birnbaum, Milton; Fincher, C. L.: Atmospheric NO<sub>2</sub> determination by 442-nm laser induced fluorescence (E), AO 14: 1418
- ; Birnbaum, Milton; Fincher, C. L.; DeShazer, L. G.: Continuous-wave operation of Nd:YVO<sub>4</sub> at 1.06 and 1.34  $\mu$ m (A), JOSA 65: 1207
- ; Birnbaum, Milton: Energy levels and laser action in Nd:CaY<sub>2</sub>Mg<sub>2</sub>Ge<sub>3</sub>O<sub>12</sub> (CAMGAR) (A), JOSA 68: 1388
- ; Birnbaum, Milton; Fincher, C. L.: Stimulated emission cross sections of Nd:La<sub>2</sub>Be<sub>2</sub>O<sub>5</sub> at 1.08  $\mu$ m: correlation with Q-switched laser performance (A), JOSA 69: 1464
- Tucker, Compton J.** See Pearson, Robert L., AO 15: 416
- Asymptotic nature of grass canopy spectral reflectance (E), AO 16: 1151
- ; Garratt, Michael W.: Leaf optical system modeled as a stochastic process (TE), AO 16: 635
- Tucker, H. E.** See Miller, J. R., JOSA 68: 550
- Tucker, Jill.** See Charman, W. N., JOSA 68: 459
- Tucker, T. R.** See Weinman, L. S., AO 17: 906
- Tudron, T. N.** See Church, E. L., AO 13: 1274
- Tuer, T. W.** See White, Kenneth O., JOSA 65: 1201; Woods, D. R., JOSA 65: 1201



- Tuerke, Bernhard**  
—; Seger, Genter; Achatz, Manfred; Seelen, Werner v.: Fourier optical approach to the extraction of morphological parameters from the diffraction pattern of biological cells (TE), AO 17: 2754
- Tuft, Richard A.**  
—; Clay, Burton R.: Diffraction-limited differential wavelength holograms (A), JOSA 64: 1382
- Tufte, O. N.** See Lee, T. C., AO 17: 2802
- Tulagin, V.**  
Imaging Systems: Mechanisms and Applications of Established and New Photosensitive Processes. By Kurt I. Jacobson and Ralph E. Jacobson (B), AO 16: 2338
- Tulip, J.** See Seguin, H. J. J., AO 16: 77
- Tull, Robert G.** See Vogt, Steven S., AO 17: 574
- ; Choisser, John P.; Snow, Edward H.: Self-scanned digicon: a digital image tube for astronomical spectroscopy (E), AO 14: 1182
- Tulunay-Keeseey, Uelker**  
Eye-movements and Visual Perception. By R. W. Ditchburn (B), JOSA 65: 745  
Spatial contrast sensitivity with stabilized vision (A), JOSA 68: 1413
- Tuma, W.**  
—; van der Hoeven, C. J.: Helium-neon laser stabilized on iodine: design and performance (E), AO 14: 1896
- Tunstall, Jack.** See Davidson, Joseph, AO 17: 1481
- Tur, M.** See Shtrikman, S., JOSA 64: 1178
- Turco, R. P.** See Whitten, R. C., JOSA 67: 259  
—; Hamill, Patrick; Toon, Owen B.; Whitten, R. C.: Model of the stratospheric sulfate aerosol (A), JOSA 67: 259
- Turk, R. R.**  
—; Johnston, J.; Haeussler, C.; Joyce, R. L.; Harrington, James A.: Optical polishing and cleaning of press-forged (polycrystalline)  $\text{CaF}_2$  and  $\text{SrF}_2$  IR laser windows (E) (L), AO 18: 957
- Turnbull, Carl E.** See Horne, E. P., JOSA 64: 1400, JOSA 68: 1414
- Turner, A. F.** See Kruger, R. P., AO 16: 2637  
Computation of the reflectance of multilayer films using vector diagrams (A), JOSA 66: 160  
—; Babcock, C. L.: Glass compositions for thin-film waveguides (A), JOSA 66: 1118  
Selective band reflecting filters (A), JOSA 66: 1097
- Turner, D.** See Speer, R. J., AO 13: 1258, AO 18: 2003
- Turner, E. H.** See Alferness, Rod C., AO 18: 4012; Smith, P. W., JOSA 67: 250, OL 2: 55  
—; Stolen, R. H.: Fiber Faraday circulator (A), JOSA 69: 1483
- Turner, J. L.** See Hovanesian, J. D., JOSA 65: 1187; Hu, C. P., AO 15: 1558; Hung, Y. Y., AO 17: 128  
—; Vossberg, S. M.; Olesky, S. J.: Measuring the complete surface strain field on rubber structures using an optical method (E), AO 16: 504
- Turner, J. N.**  
—; Parsons, D. F.; Andrews, C. L.: Diffraction of electromagnetic waves by transparent edges (E), JOSA 64: 789
- Turner, James J.** See Pollakoff, Martyn, JOSA 68: 693
- Turner, R.**  
Electron density measurement in the HCN laser using Faraday mode splitting technique (E), AO 13: 968  
Plasma effects in the HCN laser (E), AO 16: 1197
- Turner, Robert E.**  
Earth-atmosphere albedo relationships for realistic atmospheres (A), JOSA 67: 261
- Turner, William C.**  
Metallurgical engineering considerations from the 100-kJ  $\text{CO}_2$  laser (A), JOSA 67: 1378
- Turpin, G. J.** See Truong, V. V., JOSA 68: 1017
- Tuttle, J. R.** See Kaiser, Peter K., JOSA 67: 1379
- Tverdokhle, P. E.** See Krivenkov, B. E., AO 14: 1829
- Tveten, A. B.** See Ho, C. W., AO 17: 631
- Twetsky, Victor**  
Form and intrinsic birefringence (T), JOSA 65: 2000  
Intrinsic, shape, and configurational birefringence (T), JOSA 69: 1199  
Propagation in pair-correlated distributions of small-spaced lossy scatterers (T), JOSA 69: 1567
- Transparency of pair-correlated, random distributions of small scatterers, with applications to the cornea (T), JOSA 65: 524
- Twiss, R. Q.** See Tango, W. J., AO 13: 1814
- Twitty, J. T.** See Deepak, Adarsh, AO 17: 1977  
—; Parent, Robert J.; Weinman, James A.; Eloranta, E. W.: Aerosol size distributions: remote determination from air-borne measurements of the solar aureole (ET), AO 15: 980
- Twomey, S.**  
Information content in remote sensing (T), AO 13: 942
- Tycz, M.**  
—; Fitzmaurice, Michael W.: Channel simulation for optical communication systems (ET) (L), AO 13: 1283
- Tyler, Christopher William.** See Nakayama, Ken, JOSA 66: 1090  
—; Nakayama, Ken: Grating induction: a new type of aftereffect (A), JOSA 66: 1078  
Spatial characteristics of mechanisms underlying grating detection (A), JOSA 65: 1185  
—; Julesz, Bela: Spatial frequency tuning for disparity gratings in the cyclopean retina (A), JOSA 68: 1365  
—; Goldberger, Sam M.: Temporal frequency characteristics of patients with ocular pathologies (A), JOSA 68: 1455  
—; Chang, Jih Jie: Visual processing of repetitive images (A), JOSA 66: 174
- Tyler, Glenn A.**  
Holographic simulation of phase contrast (A), JOSA 68: 1382  
Image coding with far-field holograms (A), JOSA 67: 1381  
Image coding with far-field holograms (ET), AO 17: 2768  
Performance of unstable ring resonator with spatial filter (A), JOSA 69: 1474  
—; Chan, Gilbert: Simplified anomalous dispersion model for HF chemical lasers (A), JOSA 69: 1458
- Tyler, I. L.** See Bell, Robert J., JOSA 65: 1180; Hale, George M., JOSA 68: 1403; Querry, Marvin R., JOSA 68: 1404; Ward, C. A., AO 13: 2378  
—; Taylor, G.; Querry, Marvin R.: Thin-wedge-shaped cell for highly absorbent liquids (E), AO 17: 960
- Tyler, John E.**  
In situ quantum efficiency of oceanic photosynthesis (T), AO 18: 442  
Ocean analysis by means of Beer's law (T), AO 15: 2565
- Tynan, Paul**  
—; Sekuler, Robert: Perceived spatial frequency varies with stimulus duration (E), JOSA 64: 1251
- Tynes, A. R.**  
Elliptical-core single-mode fiber butt-joint losses (A), JOSA 68: 1407  
—; Derosier, R. M.; French, William G.: Low V-number optical fibers: secondary maxima in the far-field radiation pattern (E), JOSA 69: 1587  
Partially clad triangular-core glass optical fibers (A), JOSA 64: 526  
Partially clad triangular-cored glass optical fibers and lasers (E), JOSA 64: 1415
- Tyssen, E.** See Nimtz, G., JOSA 67: 255  
—; Nimtz, G.: Far infrared recombination radiation from n-type  $\text{Hg}_{1-x}\text{Cd}_x\text{Te}$  (E), AO 16: 2957
- Tyte, R. N.** See Bell, M. I., AO 13: 1610
- Tzoar, Narkis.** See Jain, Manoj, OL 3: 202  
—; Jain, Manoj; Bendow, Bernard; Gianino, Peter D.; Yukon, Stanford P.: Soliton propagation in optical waveguides (A), JOSA 68: 1359
- Ubertini, P.** See Costa, E., AO 17: 621
- Uchida, Naoya.** See Kashima, Norio, AO 16: 1038, AO 16: 1320, AO 16: 2732, AO 17: 1199; Noda, Juichi, AO 17: 1953, JOSA 68: 1690; Tateda, Mitsuhiro, AO 18: 3272; Tsukamoto, K., AO 13: 869  
Coupled-wave analysis of light diffraction by a multi-element acoustic transducer array (T), JOSA 64: 1049  
—; Noda, Juichi: Modulation-efficiency calculation in optical-waveguide modulator (T) (L), JOSA 65: 1079  
—; Mikami, Osamu; Uehara, Shingo; Noda, Juichi: Optical field distribution in a waveguide loaded with high refractive-index film; modulation efficiency improvement in a planar-type modulator (T), AO 15: 455
- Optical waveguide loaded with high refractive-index strip film (T), AO 15: 179
- ; Hoshikawa, M.; Yoshida, M.; Hattori, Y.; Yoneji, S.: Transmission characteristics of step-index fibers and optical fiber cables (A), JOSA 67: 707
- Udd, E.** See Cahill, R. F., OL 4: 93
- Udelson, B. J.** See Berg, N. J., AO 18: 2767
- Ueda, Mitsuhiro.** See Sato, Takuso, AO 13: 406, AO 13: 1280, AO 13: 1318, AO 13: 2759, AO 15: 851, AO 15: 1229, AO 16: 1263  
—; Miida, Sumio; Sato, Takuso: Signal-to-noise ratio and smallest detectable vibration amplitude in frequency-translated holography: an analysis (E), AO 15: 2690
- Ueda, Yoichi.** See Akamatsu, Takeshi, JOSA 67: 706
- Ueda, Yoshifumi.** See Sato, Takuso, AO 17: 3945
- Ueha, Sadayuki**  
—; Fujinami, Makoto; Umezawa, Kiyohiko; Tsujiuchi, Jumpei: Mapping of noise-like sound sources with acoustical holography (E) (L), AO 14: 1478
- Uehara, K.**  
—; Hall, J. L.: Hyperfine splitting of the  $^{13}\text{CH}_4$  line at 3.39  $\mu\text{m}$  observed by laser-saturated absorption (E), OL 4: 214
- Uehara, Shingo.** See Uchida, Naoya, AO 15: 455  
Calibration of optical modulator frequency response with application to signal level control (E), AO 17: 68  
—; Izawa, Tatsuo; Nakagome, Hiroshi: Optical waveguiding polarizer (E) (L), AO 13: 1753
- Uematsu, T.** See Ozeki, T., OL 2: 103
- Ueno, Takehiro**  
Spatial summation in human vision: simple reaction time measurements (E), JOSA 69: 1023
- Ueno, Yoshito.** See Aoki, F., JOSA 67: 709; Nishida, M., JOSA 67: 709  
—; Oogi, Nagamitsu: Data highway using optical fiber cable (A), JOSA 66: 390  
—; Shimizu, Motoh: Optical fiber fault location method (E), AO 15: 1385
- Uesaka, T.** See Wungkobkiet, S., AO 18: 2950
- Ufford, Curtis**  
—; Baumeister, Philip W.: Graphical aids in the use of equivalent index in multilayer-filter design (T), JOSA 64: 329
- Uguccini, Orlando W.**  
Infrared pyrometer for high-resolution surface-temperature measurements on rotating turbine blades (A), JOSA 66: 384
- Ullman, S.** See Marr, David, JOSA 69: 914
- Ullman, Shimon**  
Structure from motion (A), JOSA 67: 1400  
Ternus's configuration in apparent motion (A), JOSA 67: 1400
- Ullrich, D.** See Balhorn, R., AO 14: 2955
- Ulmer, R.** See Chen, Di, JOSA 67: 1393
- Ulrich, F.**  
—; Chen, D.: Offset prism for optical waveguide coupling (T), AO 13: 1850  
Prism offset for optical waveguide coupling (T) (L), AO 15: 1375
- Ulrich, Jeanne T.** See Berger, Paul J., AO 16: 345; Ulrich, Peter B., JOSA 65: 1191
- Ulrich, Peter B.** See Berger, Paul J., AO 16: 345  
—; Ulrich, Jeanne T.: Computer study of thermal blooming with free and forced convection (A), JOSA 65: 1191  
Defocused pulsed-laser propagation with and without central obscuration (A), JOSA 64: 549  
—; Hancock, J. Harrison; Hayes, John N.: Simultaneous two-wavelength cw laser propagation (A), JOSA 64: 549
- Ulrich, R.** See Haeghe, K. H., OL 4: 60; Rashleigh, S. C., OL 3: 60  
Birefringent coupler for integrated optics: comment (T) (L), AO 14: 1481  
—; Johnson, Mark: Fiber-ring interferometer: polarization analysis (ET), OL 4: 152  
Integrated optics, OSA/IEEE Topical Meeting, Salt Lake City, 12-14 Jan 1976 (M), AO 15: 1363  
—; Simon, A.: Polarization optics of twisted single-mode fibers (TE), AO 18: 2241  
Representation of codirectional coupled waves (T), OL 1: 109  
—; Kamiya, Takeshi: Resolution of self-images in planar optical waveguides (T), JOSA 68: 583  
Self-imaging in homogeneous optical waveguides (A), JOSA 66: 290



- ; Johnson, Mark: Single-mode fiber-optical polarization rotator (E), AO 18: 1857
- Ulwick, J. C.** See Stair, A. T., Jr., JOSA 64: 1371
- Um, Greg.** See Greenfield, Martin I., JOSA 69: 1454
- Umeda, J.** See Kajimura, T., AO 18: 1812; Kuroda, T., AO 17: 3264
- Umezawa, Kiyohiko.** See Ueha, Sadyuki, AO 14: 1478
- Umezu, S.** See Tanemura, S., JOSA 67: 251
- Umstead, M. E.** See Lin, M. C., JOSA 65: 1162
- Underwood, J. H.**  
Collimation and focusing of x rays and extreme ultraviolet with bent glass strips (A), JOSA 66: 1136
- ; Milligan, J. E.; deLoach, A. C.; Hoover, R. B.: S056 x-ray telescope experiment on the Skylab Apollo telescope mount (E), AO 16: 858
- Underwood, K. L.** See Hayes, John, JOSA 69: 1418
- Underwood, Richard W.**  
Photography from Skylab (A), JOSA 64: 1372
- Unger, H. G.** See Petermann, K., JOSA 67: 707
- Unno, Y.** See Ozeki, T., OL 2: 103
- Unterleitner, F. C.** See Orofino, T. A., AO 15: 1907
- ; Kapany, Narinder S.: Fiber optics transmittance: effect of cladding absorption (T) (L), AO 15: 2033
- Uozumi, J.** See Fujii, Hitoshi, JOSA 66: 1222
- ; Fujii, Hitoshi; Asakura, Toshimitsu: Further computer simulation study of image speckle patterns with relation to object surface profile (T), JOSA 67: 808
- Upatnieks, Juris**  
360° hologram displays for educational use (A), JOSA 64: 1396
- ; Leonard, Carl D.: Holographic light-line sight (A), JOSA 69: 1402
- Speckle and noise suppression in coherent images (A), JOSA 66: 176
- Urbach, John**  
Thermoplastic and elastomeric holographic recording materials (A), JOSA 64: 1389
- Urbanski, T.**  
Gasdynamic Theory of Detonation. By Heinz D. Gruschka and Franz Wecken (B), AO 14: 1239
- Urehara, Singo.** See Kimura, Tatsuya, AO 17: 2420
- Urisu, Tsuneo**  
—; Kajiya, Kenji; Mizushima, Yoshihiko: Orientation control of dye molecules in a liquid crystal (E), AO 17: 2366
- Uscinski, B. J.**  
Laser Processing of Materials. By N. N. Rykalin, A. A. Uglov, and A. N. Kokora (B), AO 18: 415
- Lebedev, A. A., Academician--Selected works. Edited by P. P. Feofilov, AO 18: 1912
- Quantitative Schlieren Methods in Gas Dynamics. By M. M. Skotnikov (B), AO 18: 1265
- Spectroscopy of Gas Discharge Plasmas. Edited by S. E. Frish (B), AO 18: 1672
- Uselman, W. M.** See Chang, Y. S., JOSA 67: 1441, AO 16: 2116; Lin, Chun L., AO 17: 993; Nordstrom, R. J., AO 16: 1477
- Utagawa, Kenji**  
Theory of diffraction efficiency and anomalies of shallow metal gratings of finite conductivity (T), JOSA 69: 333
- Uthe, Edward E.** See Russell, Philip B., JOSA 67: 260, JOSA 68: 1358
- Utkin, E. N.** See Dubnitshev, Yu. N., AO 14: 180
- Uzunoglu, Nikolaos K.** See Alexopoulos, Nikolaos G., AO 17: 235; Fikioris, J. G., JOSA 69: 1359
- ; Alexopoulos, Nikolaos G.; Fikioris, J. G.: Scattering from thin and finite dielectric fibers (T), JOSA 68: 194
- Vacher, R.** See Sussner, H., AO 18: 3815
- Vagin, V. A.** See Balashov, A. A., AO 17: 1716
- Vaglio-Laurin, Roberto.** See Ebersole, John F., JOSA 69: 1398
- Vahala, Kerry J.** See Cox, Mary E., AO 17: 1455
- Vahey, David W.** See Kenan, Richard P., JOSA 67: 1393; Wood, Van E., JOSA 66: 1115
- ; Verber, Carl M.; Wood, Van E.: Focal properties of uncorrected geodesic waveguide lenses (A), JOSA 66: 289
- ; Wood, Van E.: Integrated-optical corrector plates for waveguide geodesic lenses (A), JOSA 67: 1393
- ; Mueller, Edward: Laser profiling of the edges of intraocular lenses (A), JOSA 69: 1427
- Vaiana, Giuseppe S.**
- ; Krieger, Allen S.; Petrasso, Richard D.; Silk, J. Kevin: AS&E x-ray telescope on Skylab (A), JOSA 64: 524
- Vaidya, D. B.** See Mehta, R. V., JOSA 64: 1398
- Vaidyanathan, A.** See Mitra, S. S., AO 14: 3038
- Valberg, Arne.** See Tansley, Brian W., JOSA 69: 113
- Color induction: dependence on luminance, purity, and dominant or complementary wavelength of inducing stimuli (E), JOSA 64: 1531
- ; Tansley, Brian W.: Tritanopic purity-difference function to describe the properties of minimally distinct borders (ET), JOSA 67: 1330
- Valentin, T.** See Huignard, J. P., AO 16: 2796
- Valero, Francisco P. J.**  
Spectrum of Al VII in the VUV (E), JOSA 65: 197
- ; Suarez, Carlos B.; Boese, Robert W.: Temperature dependence and measurement of self-broadening coefficients in CO<sub>2</sub> (A), JOSA 66: 1094
- ; Boese, Robert W.: Temperature dependence of CO<sub>2</sub> linewidths and intensities (A), JOSA 68: 1403
- Valette, Serge.** See Labrunie, Guy, AO 13: 1802
- ; Labrunie, Guy; Deutsch, Jean-Claude; Lizet, Jacques: Planar optical waveguides achieved by ion implantation in zinc telluride: general characteristics (ET), AO 16: 1289
- Vali, V.**
- ; Shorthill, R. W.: Fiber ring interferometer (E) (L), AO 15: 1099
- ; Shorthill, R. W.; Berg, M. F.: Fresnel-Fizeau effect in a rotating optical fiber ring interferometer (E) (L), AO 16: 2605
- ; Shorthill, R. W.: Ring interferometer 950 m long (E) (L), AO 16: 290
- Valley, George C.**  
Isoplanatic degradation of tilt correction and short-term imaging systems (A), JOSA 69: 1466
- Long- and short-term Strehl ratios for turbulence with finite inner and outer scales (T), AO 18: 984
- ; Wandzura, Stephen M.: Spatial correlation of phase-expansion coefficients for propagation through atmospheric turbulence (T), JOSA 69: 712
- ; Shen, Peter I-Wu; Kelly, Robert E.: Thermal blooming in axial pipe flow (T) (L), AO 18: 2728
- Van, S. Nguyen.** See Gagne, Jean-Marie, JOSA 66: 1415
- VanAllen, J. W.** See Goldman, A., AO 18: 604
- Vanasse, George A.** See Zehnpfennig, T. F., AO 18: 1996
- ; Murphy, Randall E.; Cook, Floyd H.: Double-beaming technique in Fourier spectroscopy (ET) (L), AO 15: 290
- General review of Fourier spectroscopy (A), JOSA 66: 1080
- Van Damme, G. E.** See Lavan, M. J., AO 15: 2627
- van de Hulst, H. C.**  
Multiple scattering in thick layers (A), JOSA 67: 260
- van den Berg, P. M.**
- ; Fokkema, J. T.: Rayleigh hypothesis in the theory of reflection by a grating (T), JOSA 69: 27
- ; Tan, T. H.: Smith-Purcell radiation from a line charge moving parallel to a reflection grating with rectangular profile (T), JOSA 64: 325
- van den Berg, T. J. T. P.**
- ; Spekrijse, H.: Interaction between rod and cone signals studied with temporal sine wave stimulation (E), JOSA 67: 1210
- Vandenbulcke, P.** See Pelosi, P. M., AO 17: 1187
- van der Heide, J. A.** See Coolen, F. C. M., JOSA 64: 482
- van der Hoeven, C. J.** See Tuma, W., AO 14: 1896
- Vanderhoff, John M.** See Rimmer, Matthew P., JOSA 67: 1429
- Autocorrelation method of OTF's of centrally obscured optical systems (A), JOSA 67: 1428
- Diffraction analysis of segmented-window systems (A), JOSA 65: 1176
- van der Laan, C. J.**  
Calibration substrate for Abeles-equipment (T) (L), AO 17: 2135
- ; Frankena, H. J.: Fast computation method for derivatives of multilayer stack reflectance (T), AO 17: 538
- van der Laan, J. E.** See Murray, E. R., AO 15: 3140, AO 17: 296, AO 17: 814
- Vanderleeden, J. C.**  
Depletion optimization and photon efficiency in laser isotope separation of deuterium (T), AO 17: 785
- van der Meulen, A.**
- ; Strackee, L.: Accurate determination of fiber radii in the hypermicrometer range by multiwavelength laser light scattering (ET), AO 18: 3751
- van der Meulen, Y. J.**
- ; Hien, N. C.: Design and operation of an automated, high-temperature ellipsometer, JOSA 64: 804
- Vanderpol, A. H.** See Charlson, Robert J., JOSA 67: 257
- Vander Sluis, K. L.** See Hutchinson, D. P., AO 16: 293
- ; Hutchinson, D. P.; Staats, P. A.: Performance of a high-power submillimeter oscillator-amplifier system (A), JOSA 67: 1404
- Stark structure on hydrogen spectra in Ormak plasma (A), JOSA 65: 1187
- van der Wal, P. B.**
- ; Slingerland, J.: High resolution Fabry-Perot spectrometer for infrared astronomy (E), AO 18: 641
- Vanderwall, Jonathan**
- ; Blackburn, James: Suppression of some artifacts of modal noise in fiber-optic systems (E), OL 4: 295
- van der Wildt, G. J.**
- ; Rijdsdijk, J. P.: Flicker sensitivity measured with intermittent stimuli: I. Influence of the stimulus duration on the flicker threshold (E), JOSA 69: 660
- ; Rijdsdijk, J. P.: Flicker sensitivity measured with intermittent stimuli: II. Comparison between temporal gradient detection and the "De Lange" curves (E), JOSA 69: 666
- van der Ziel, J. P.**
- ; Ilegems, M.: Interference filters: single crystal multilayer AlAs-GaAs (E), AO 15: 1256
- ; Ilegems, M.: Multilayer GaAs-Al<sub>0.3</sub>Ga<sub>0.7</sub>As dielectric quarter wave stacks grown by molecular beam epitaxy (E), AO 14: 2627
- Van de Stadt, H.** See Stein, S. R., AO 16: 1893
- Van Deurzen, Cornelius H. H.**  
Analysis of 4-ionized vanadium (V v) (E), JOSA 67: 476
- Analysis of 4-ionized vanadium (V v) (E) (errata), JOSA 67: 1135
- ; Conway, John G.; Davis, Sumner P.: Spectrum and energy levels of quadrupole-ionized vanadium (V v) (ET), JOSA 64: 498
- VanDeverder, J. P.**  
Power flow studies for fusion-oriented particle accelerators (A), JOSA 68: 545
- van Doorn, Andrea J.** See Koenderink, Jan J., OL 4: 32, AO 13: 955, JOSA 64: 1517, JOSA 66: 717
- van Driel, H. M.** See Bessey, J. S., JOSA 66: 1072; Grover, C. P., JOSA 69: 1403, JOSA 69: 1423
- Excitation-level dependence of the photoluminescence spectrum of germanium (A), JOSA 66: 1082
- ; Bessey, J. S.; Hanson, R. C.: Pressure tuning of picosecond pulse transmission in germanium (A), JOSA 66: 1073
- Van Eck, J. L.** See Brasseur, G., AO 14: 1758
- Van Esen, John S.**
- ; Novak, Stanley: Detection thresholds within a display that manifests contour enhancement and brightness contrast (E), JOSA 64: 726
- VanHoosier, M. E.**
- ; Bartoe, John-David F.; Brueckner, Guenther E.; Patterson, N. P.; Tousey, Richard: Experience with Schumann-type XUV film on Skylab (E), AO 16: 887
- van Hulsteyn, David B.** See Fenimore, E. E., AO 18: 945; Mitchell, Kenneth B., JOSA 68: 547
- ; Lee, Ping; Mitchell, Kenneth B.: Two-dimensional monochromatic x-ray imaging of laser-produced plasmas (E), OL 4: 126
- ; Benjamin, Robert F.: X-ray shadowgraphing in laser-produced plasma experiments (E), OL 1: 76



- Vanier, P. E.**  
—; Pollak, Fred H.; Raccach, Paul M.: Topographical investigation of the variations in stoichiometry in  $Hg_{1-x}Cd_xTe$  using electrolyte electroreflectance (A), JOSA 67: 252
- ; Pollak, Fred H.; Raccach, Paul M.: Variations in stoichiometry in  $Hg_{1-x}Cd_xTe$  using electrolyte electroreflectance: a topographical investigation (E), AO 16: 2858
- van Kleef, Th. A. M.**  
—; Joshi, Y. N.: Analysis of  $4d^9-4d^8\ 5p$  transitions in Sb VII and Te VIII and the ionization limits of Sb VI and Te VII (E), JOSA 69: 132
- ; Joshi, Y. N.: Seventh spectrum of selenium: Se VII and the  $3p^5 3d^{10}$  configuration in Se VIII (E), JOSA 67: 472
- ; Srivastava, R. P.; Joshi, Y. N.: Spectra of Mo XXX, XXI, and XXXII from a laser-produced plasma (E), JOSA 67: 1525
- Van Laak, J. See Giuliani, J. F., JOSA 66: 372**
- van Lerberghe, A.**  
—; Avriilier, S.; Borde, C. J.; Cantrell, Cyrus D.: Stable cw waveguide  $CO_2$  laser for high-resolution saturation spectroscopy. application to the  $\nu_3$  band of  $SF_6$  (A), JOSA 68: 624
- Van Meeteren, A.**  
Detective quantum efficiency of the human eye (A), JOSA 69: 1465
- Vann, H. R. See Chang, M. S., AO 14: 1572**
- Vanneste, C. See Azema, A., JOSA 66: 292; Botineau, J., AO 17: 1208**
- Vanni, R. See Cioli, P., AO 16: 1128; JOSA 68: 1350; Consortini, Anna, JOSA 68: 539; Pasqualetti, F., JOSA 68: 539, AO 15: 1903**
- Vanni, U. See Burlamacchi, P., AO 15: 2684**
- van Norren, D. See Kelly, D. H., JOSA 67: 1081**  
Role of the ERG in the study of primate color vision (A), JOSA 68: 1387
- Vannucci, Giovanni. See Teich, Malvin Carl, JOSA 68: 1454, JOSA 69: 1469, OL 1: 208, JOSA 68: 1338**  
—; Teich, Malvin Carl: Dead-time-modified photon statistics and their relationship to the optical power spectrum (A), JOSA 68: 1421  
—; Teich, Malvin Carl: Equivalence of threshold detection with and without dead time (T) (L), AO 18: 3886
- Vannucci, R. See Di Vita, P., AO 15: 2765**
- Van Oeveren, R. M. See Muffoletto, C. Verne, JOSA 66: 1124**
- van Renesse, R. L.**  
Advances in bleaching methods for photographically recorded holograms: comments (E) (L), AO 14: 1763
- Van Seiver, W. J. See Emkey, W. L., JOSA 66: 264**
- Van Speybroeck, Leon P. See Schnopper, H. W., AO 16: 1088**  
Performance and problems of x-ray telescopes (A), JOSA 68: 1430
- Van Stryland, Eric W. See Bass, Michael, JOSA 68: 1397; Clark, James B., JOSA 69: 1480; Diels, J.-C., JOSA 68: 666; Shoemaker, Richard L., JOSA 68: 1109**
- Van Tassel, R. A.**  
—; Paulsen, D. E.: Rayleigh, the unit for light radiance: comment (L), AO 14: 559
- Vant-Hull, Lorin L.**  
Approaches to the economic collection and utilization of solar energy (A), JOSA 64: 1355
- Van Uitert, L. G. See Pinnow, D. A., JOSA 64: 525**
- Van Voorhies, K. L.**  
—; Aleksoff, C. C.: Synthetic modal interferometric laser imaging (TE), AO 16: 2441
- van Vranken, Randy C. See Horwitz, James W., JOSA 69: 1456**
- van Weert, M. J.**  
Vectorial treatment of optical systems (T), JOSA 68: 1275
- Van Wijk, Marius C.**  
Moire fringe topography scoliosis detection (A), JOSA 69: 1441
- Vanyek, U. M. See Eppeldauer, G., AO 16: 255**
- Vargady, L. O.**  
Parabolic axicon (T): comments (L), AO 14: 2335
- Varnado, S. G. See Mitchiner, J. L., JOSA 68: 546**
- Vascon, Mario. See Zanella, Giovanni, AO 16: 3143, AO 17: 982**
- Vasilenko, Yu. G. See Dubnitshev, Yu. N., AO 14: 180**
- Vasko, A.**  
Amorphous and liquid semiconductors, seventh international conference, Edinburgh, 27 Jun-1 Jul 1977 (M), AO 17: 335  
Glass, eleventh International Congress, Prague, 4-8 July 1977 (M), AO 17: 675  
International Commission for Optics, ICO-10, 10th congress, Prague, 25-29 Aug 1975 (M), AO 15: 595
- Vassallo, C.**  
Radiating normal modes of lossy planar waveguides (T), JOSA 69: 311  
Radiating normal modes of lossy planar waveguides (errata), JOSA 69: 1049
- Vassell, M. O.**  
Direct technique for calculating dielectric permittivity profiles from the distribution of mode indices in waveguides (T), JOSA 65: 1019  
Structure of optical guided modes in planar multilayers of optically anisotropic materials (T), JOSA 64: 166
- Vassilyev, O. B. See Kondratyev, K. Ya, AO 13: 478**
- Vasudev, R. See Subbaram, K. V., JOSA 65: 318**
- Vaughan, J. M.**  
—; Willetts, D. V.: Interference, propagation, and coherence of a laser mode having a helical cophasal form (A), JOSA 69: 1431
- Vaughan, O. H. See Deepak, Adarsh, AO 17: 374**
- Vazirani, H. N. See Kurkjian, C. R., JOSA 67: 706; Wang, T. T., JOSA 67: 706**  
—; Schonhorn, H.; Wang, T. T.: Ultraviolet-cured epoxy-acrylate coatings on optical fibers I & II. Chemistry and application (A), JOSA 67: 706
- Veas, F. See Allen, E. A., JOSA 64: 1190**
- Vedam, K. See Bhalla, A. S., AO 17: 3339; Hennessey, P., JOSA 65: 436, JOSA 69: 352; Stoudt, M. D., AO 17: 1855; Vikram, C. S., JOSA 69: 1409, OL 4: 406, AO 18: 418, AO 18: 627, AO 18: 2351, AO 18: 4063**  
Crystal Physics: Macroscopic Physics of Anisotropic Solids. By Hellmut J. Juretschke (B), JOSA 65: 1526  
—; Hennessey, P.: Piezo- and thermo-optical properties of  $Bi_{12}GeO_{20}$ . II. Refractive index (E), JOSA 65: 442  
—; Stoudt, M. D.: Retroreflection from spherical glass beads in highway pavement markings. 2: Diffuse reflection (a first approximation calculation) (T), AO 17: 1859
- Veje, E. See Andersen, N., AO 13: 1965**
- Velapoldi, R. See Zalewski, Edward F., JOSA 66: 1080**
- Velasquez, J. See Pucilowski, J., AO 13: 2248**
- Velazco, J. E. See Shay, T., JOSA 68: 1356**
- Veldkamp, Wilfrid B. See Becherer, Richard J., JOSA 68: 1441**
- Velzel, C. H. F.**  
Aberration balancing for grating mountings with large aberrations (T), JOSA 68: 38  
General theory of the aberrations of diffraction gratings and gratinglike optical instruments (T), JOSA 66: 346  
General theory of the aberrations of diffraction gratings and gratinglike optical instruments (T) (errata), JOSA 67: 1695  
Imaging properties of holographic gratings (T), JOSA 67: 1021  
Inverse Fourier spectroscopy (A), JOSA 65: 1186  
Laser beam reading of video records (T), AO 17: 2029  
Nonlinear processing of the interferogram in Fourier spectroscopy (T), JOSA 68: 915
- Venable, W. H., Jr. See Eckerle, K. L., AO 15: 703**
- Venkatesan, T. N. C. See McCall, S. L., JOSA 65: 1184**
- Venskytis, F. J. See Choyke, W. J., AO 16: 2013**
- Venza, A. See DeMartini, F., JOSA 68: 662**
- Verber, Carl M. See Garmire, E., OL 3: 69; Vahey, David W., JOSA 66: 289**  
—; Hartman, N. F.; Wood, Van E.: Two-photon photorefractive effects at low peak powers (A), JOSA 67: 1396
- Verdeyen, G. T.**  
—; Johnson, G. B.; Kaye, R. J.: Extraction of an intense neutralized ion beam from a quiescent plasma (A), JOSA 68: 546
- Verdon, C. P. See McCrory, R. L., Jr., JOSA 68: 549**
- Veret, C.**  
Optical interferometry in experimental gasdynamics, European mechanics colloquium 55, Bochum, 25-26 Mar 1974 (M), AO 14: 801
- Veretennikov, V. V.**  
—; Kozlov, V. S.; Naats, I. E.; Fadeev, V. Ya.: Optical studies of smoke aerosols: an inversion method and its applications (ET), OL 4: 411
- Verges, J. See Davis, D. S., JOSA 68: 235; Fred, Mark S., JOSA 67: 7**
- Verginelli, S. See Bertolotti, Mario, AO 15: 1842**
- Verma, N. K. See Nayyar, V. P., AO 15: 1037, AO 15: 1341, AO 16: 2460, AO 17: 2176**
- Verner, B.**  
Recurrence between Mie's coefficients (T) (L), JOSA 66: 1424
- Vernier, P. J.**  
Polarized Electrons. By Joachim Kessler (B), AO 16: 1774
- Vernin, J. See Borgnino, J., JOSA 68: 1056; Rocca, A., JOSA 64: 1000; Roddier, C., AO 16: 2252**  
—; Barletti, Raffaele; Ceppatelli, Guido; Paterno, Lucio; Righini, Alberto; Speroni, N.: Optical remote sensing of atmospheric turbulence: a comparison with simultaneous thermal measurements (E), AO 18: 243
- Veron, D. See Belland, P., AO 15: 3047**  
—; Certain, J.; Crenn, J. P.: Multichannel HCN interferometer for electron density profile measurements of tokamak plasmas (E), JOSA 67: 964
- Verret, D. P.**  
—; Ramanathan, K. G.: Total hemispherical emissivity of tungsten (ET), JOSA 68: 1167
- Verveer, J. See Langlet, A., AO 16: 1841**
- Vescelus, F. E. See Taylor, F. W., AO 18: 3893**
- Vest, C. M. See Cha, S., JOSA 69: 1474, OL 4: 311; Dameron, D., JOSA 66: 1418; Gencelli, O., JOSA 68: 1443; Nobis, D., JOSA 66: 1085, AO 17: 2198**  
Formation of images from projections: Radon and Abel transforms (T), JOSA 64: 1215  
—; Rothhaar, V. L.: Fringe localization in holographic interferometry of phase objects (A), JOSA 66: 1084  
Interferometry of strongly refracting axisymmetric objects (A), JOSA 64: 1382  
Interferometry of strongly refracting axisymmetric phase objects (T), AO 14: 1601  
—; Steel, Duncan G.: Reconstruction of spherically symmetric objects from slit-imaged emission: application to spatially resolved spectroscopy (TE), OL 3: 54  
Three-dimensional image reconstruction techniques international workshop, Brookhaven National Laboratory, 16-19 Jul 1974 (M), AO 14: 262
- Vetri, G. See Narducci, Lorenzo M., JOSA 66: 1076**
- Vetterling, W. T.**  
—; Pound, R. V.: Measurements on an x-ray light pipe at 5.9 and 14.4 keV (E) (L), JOSA 66: 1048
- Vezzoli, Gary C.**  
—; Kisatsky, P. J.; Doremus, L. W.; Walsh, P. J.: Optical and electrical effects during polymerization and depolymerization in liquid sulfur: indications for the nonuniformity model for covalent liquids (E), AO 15: 327  
—; Doremus, L. W.: Variation in optical transmission and electrical resistance in a single sulfur liquid droplet during polymerization (E), AO 16: 433
- Viano, G. A. See Bertero, M., OL 3: 51**
- Victor, Jonathan D. See Ratliff, Floyd, JOSA 68: 1427; Shapley, Robert M., JOSA 68: 1427**
- Vidal, B.**  
—; Pelletier, E.: Nonquarterwave multilayer filters: optical monitoring with a minicomputer allowing correction of thickness errors (E), AO 18: 3857  
—; Fornier, A.; Pelletier, E.: Optical monitoring of nonquarterwave multilayer filters (TE), AO 17: 1038  
—; Fornier, A.; Pelletier, E.: Wideband optical monitoring of nonquarterwave multilayer filters (E), AO 18: 3851
- Viehmann, W.**  
—; Eubanks, A. G.; Pieper, G. F.; Bredekamp, J. H.: Photomultiplier window materials under electron irradiation: fluorescence and phosphorescence (E), AO 14: 2104
- Vienot, Jean-Charles**  
—; Duvernoy, Jacques: Optical computing and investigations on writing (ET), AO 15: 523  
—; Goedebuer, Jean-Pierre; Lacourt, Alain: Space and time variables in optics and holography: recent experimental aspects (ET), AO 16: 454



- Vijaya Kumar, B. V. K.** See Casasent, David, AO 18: 1673
- Vikram, C. S.**
- ; Bhatnagar, G. S.: Application of holographic addition to time-average hologram interferometry of constant velocity motion (T) (L), AO 13: 720
  - ; Vedam, K.: Increasing effective size of holography tables (E) (L), AO 18: 418
  - ; Vedam, K.: Measurement of subspeckle-size changes by laser-speckle photography (ET), OL 4: 406
- Mechanical vibrations: mapping their phase with hologram interferometry (T) (L), AO 16: 1140
- ; Vedam, K.: Ordinary paper for position determination of intense laser pulse (E) (L), AO 18: 4063
  - ; Shifted reference holographic interferometry: comment on (L), AO 13: 1280
  - ; Vedam, K.: Testing the trueness of circular surfaces: a simple holographic method (ET), AO 18: 627
  - ; Vedam, K.: Testing the trueness of circular surfaces by laser speckle photography (ET) (L), AO 18: 2351
  - ; Vedam, K.: Unified approach for time-average holography of separable motions (A), JOSA 69: 1409
- Vilain, P.** See Brasseur, G., AO 14: 1758
- Vilcins, Gunars.** See Lephardt, John O., JOSA 64: 1363
- Vilkomerson, David.** See Mezrich, R., AO 15: 1499
- Introduction to Acoustical Holography. By B. P. Hildebrand and B. B. Brenden (B), AO 14: 2569
- Villeneuve, Jean-Eudes.** See Boivin, Alberic, JOSA 67: 1437
- Vilnay, Oren**
- Measuring the displacement field inside a stressed sample (T) (L), AO 16: 813
- Vincent, Denis**
- ; Lit, John W. Y.: Effects of a thin overlying film on optical waveguides and couplers (TE), JOSA 66: 226
  - ; Lit, John W. Y.: Film-fiber coupling in integrated optics (E) (L), AO 14: 1256
  - ; Lit, John W. Y.: Mode conversion at a taper in guided-wave optics (A), JOSA 67: 1394
  - ; Lit, John W. Y.: Simple interconnections in thin-film guided-wave optics (E) (L), AO 16: 816
  - ; Lit, John W. Y.: Thin-film beam splitter for integrated optics (TE), JOSA 67: 533
- Vincent, P.** See Nevriere, Michel, AO 17: 843
- ; Nevriere, Michel; Maystre, Daniel: X-ray gratings: the GMS mount (T), AO 18: 1780
- Viney, S.** See Day, F., JOSA 65: 1168
- Vinogradov, A. V.**
- Gain at 600 Å (A), JOSA 68: 706
- ; Zeldovich, B. Ya.: X-ray and far UV multilayer mirrors: principles and possibilities (T), AO 16: 89
- Vinogradov, Serge N.**
- Technique and Practice of Spectroscopy. By A. N. Zaidel, G. V. Ostrovskaya and Yu. I. Ostrovskii (B), AO 13: 2A18
- Viskanta, Raymond.** See Anderson, Edward E., AO 14: 185; Grange, B. W., AO 16: 858
- ; Hommert, P. J.; Groninger, G. L.: Spectral remote sensing of temperature distribution in semitransparent solids heated by an external radiation source (ET), AO 14: 428
- Visser, H.**
- Teledetection of the thickness of oil films on polluted water based on the oil fluorescence properties (E), AO 18: 1746
- Viswanathan, V. K.** See Klein, Morris, JOSA 68: 1426; Lawrence, George, JOSA 67: 1405
- ; Hammond, R. B.; Liberman, I.; Seery, B. D.; Bolen, P. D.; Gibbs, A. J.: Infrared Smartt interferometer (A), JOSA 69: 1454
- Optical analysis and predictions for the LASL eight-beam CO<sub>2</sub> laser fusion system (A), JOSA 68: 543
- ; Liberman, I.; Lawrence, George; Seery, B. D.: Optical analysis of CO<sub>2</sub> laser system using infrared interferometry (A), JOSA 68: 1390
- Vitz, R. C.** See Weiser, H., AO 15: 3123
- Vlachos, N. S.** See Mishina, H., AO 18: 2480
- Vlad, Valentin I.**
- Teoria si practica elipsometriei. By D. Moisil and G. Moisil (B), AO 13: 212
- Vodopia, Samuel N.** See Fink, David, AO 15: 453
- Vogl, Thomas P.**
- I wonder where the yellow went (A), JOSA 64: 534
- Voglesong, William F.**
- Color: theory and imaging systems, SPSE tutorial seminar on, New York City, 20-21 Sep 1973 (M), AO 13: 9
- Vogt, Hans.** See Prior, Yehiam, JOSA 68: 1423
- Vogt, Steven S.**
- ; Tull, Robert G.; Kelton, Phillip: Self-scanned photodiode array: high performance operation in high dispersion astronomical spectrophotometry (E), AO 17: 574
- Vohl, P.** See Spears, D. L., JOSA 66: 290
- Vohra, K. G.** See Sachdev, R. N., AO 17: 3472
- Voigt, Paul A.**
- ; Kornblith, Richard L.: Measurement of U I relative oscillator strengths (E) (L), JOSA 66: 492
- Volk, R.** See Fill, E., JOSA 68: 1624
- Volkin, H. C.** See Stark, E. E., Jr., JOSA 68: 547; Wolfe, P. N., JOSA 68: 543
- Volkman, Frances C.** See Riggs, Lorrin A., JOSA 69: 373
- Volkmer, James L.**
- Null test for the 2.4-m space telescope primary mirror (A), JOSA 69: 1418
- Volz, Frederic E.** See Shettle, Eric P., JOSA 67: 257
- Economical multispectral sun photometer for measurements of aerosol extinction from 0.44 μm to 1.6 μm and precipitable water (E) (L), AO 13: 1732
- Sulfuric acid in KBr pellet spectroscopy (E) (L), AO 18: 2353
- Trend of twilight color ratios and converted lidar data of the Fuego dust cloud (A), JOSA 67: 256
- Volcanic twilight color ratios (A), JOSA 65: 1173
- Volz, R. J.**
- ; Christensen, Douglas A.: LED reference channel nonlinearities (E) (L), AO 18: 1481
- von Bergmann, H. M.** See Hasson, V., JOSA 68: 673
- von Bieren, Karlheinz.** See Williams, R. E., AO 14: 2944
- Thermal blooming in the atmosphere, an analytical treatment (A), JOSA 68: 1357
- von Bruning, D. M.** See Fischer, J. K., AO 15: 2812
- von der Linde, D.**
- ; Kim, Dae M.; Lambrich, R.; Kuhl, J.: Generation of broadly tunable picosecond light pulses in the near infrared by synchronous pumping (A), JOSA 68: 664
- von der Ohe, Werner.** See Franz, Lee M., JOSA 68: 1414, AO 18: 3301
- von Ortenberg, Michael**
- ; Link, Josef; Helbig, Reinhard: Stannic oxide, a new FIR detector material? JOSA 67: 968
  - ; Steigenberger, Ursula: Submillimeter cyclotron resonance of electrons in accumulation layers on indium antimonide surfaces (E), JOSA 67: 928
- von Thuena, P. C.** See Aronson, J. R., JOSA 64: 1388, AO 14: 1120
- Vorevodin, Yu. M.** See Zuev, V. E., AO 16: 2231
- Vossberg, S. M.** See Turner, J. L., AO 16: 504
- Voumard, Claude.** See Keller, Rene, AO 14: 1616
- External-cavity-controlled 32-MHz narrow-band cw GaAlAs-diode lasers (E), OL 1: 61
- Vrehe, Q. H. F.** See Schuurmans, M. F. H., JOSA 68: 699
- ; Gibbs, H. M.: Superfluorescence experiments: a review (A), JOSA 68: 699
- Vuillemin, Andre.** See Laget, Michel, AO 16: 961
- Vukusic, J. I.** See Hodgkinson, I. J., AO 17: 1944, AO 17: 2480
- Wachter, P.** See Pohl, Dieter W., AO 13: 95
- Wadaka, Shusou.** See Sato, Takuso, AO 17: 2047, AO 18: 485
- ; Sato, Takuso: Merits of symmetric scanning for detection of coherence function in incoherent imaging system (T) (L), JOSA 66: 145
  - ; Sato, Takuso: Superresolution in incoherent imaging system (T) (L), JOSA 65: 354
- Wade, C., Jr.** See Kastner, Sidney O., AO 17: 1957
- Wade, W. R.** See Rogowski, R. S., AO 17: 1301
- Waeber, B.** See Ih, Charles S., JOSA 68: 1443
- Waggoner, A. P.** See Charlson, Robert J., JOSA 67: 257; Weiss, R. E., JOSA 67: 260
- ; Ahlquist, N. C.; Charlson, Robert J.: Recent developments in nephelometers (A), JOSA 67: 258
- Wagh, M. D.**
- Coupling between two cylindrical light pipes: a design (T), AO 15: 2844
- Coupling efficiency between light pipes of different dimensions (T), AO 15: 2840
- ; Rao, B. V.: Right angle bends in light pipes: analysis (T), AO 15: 1331
- Wagner, Peter J.**
- Organic Molecular Photophysics, Volume 2. Edited by J. B. Birks (B), JOSA 66: 636
- Wagner, R.** See Cheo, Peter K., JOSA 66: 290
- Wagner, Richard E.** See Wiese, G. E., AO 13: 2719
- ; Shannon, Robert R.: Fabrication of aspherics using a mathematical model for material removal (ET), AO 13: 1683
  - ; Postprocessing of imagery from active optics (A), JOSA 66: 175
  - ; Postprocessing of imagery from active optics: some pitfalls (T), AO 16: 175
- Wahlen, H.** See Lukosz, W., OL 3: 88
- Wahlen, M.** See Eng, R. S., AO 16: 3072
- ; Eng, R. S.; Nill, K. W.: Tunable diode laser spectroscopy of <sup>14</sup>CO<sub>2</sub>: absorption coefficients and analytical applications (E) (L), AO 16: 2350
- Wait, James R.**
- Light waves guided by a single curved surface: comments (T) (L), AO 17: 1678
- Wakabayashi, Nobuo.** See Yoshimura, Takeaki, AO 18: 2094, AO 18: 3962
- Wakalopoulos, G.** See Sutter, L. V., AO 18: 3835
- Wakao, K.** See Iga, Kenichi, JOSA 69: 1482
- Wakeling, P. R.**
- American Scientists, Biographical Notes by E. Scott Barr, AO 15: 1696
- Bicentennial, AO 15: 1695
- Fragility of the earth's ozone shield and you and me (N), AO 14: 2034
- Mariner 10 (N), AO 14: A200
- Of Optics and Opticians (N), AO 13: A14, AO 14: A14, AO 14: A40, AO 14: A66, AO 14: 2034, AO 14: 2795, AO 14: A118, AO 14: A142, AO 14: A158, AO 14: A173, AO 14: A200, AO 14: A224, AO 15: 323, AO 15: 576, AO 15: A14, AO 15: A60, AO 15: A89, AO 15: 1659, AO 15: 1890, AO 15: A114, AO 16: 10, AO 16: 274, AO 16: 529, AO 16: 783, AO 16: 1114, AO 16: 1461, AO 16: 1767, AO 16: 2022, AO 16: 2348, AO 16: 2590, AO 16: 2782, AO 16: 3061, AO 17: 5, AO 17: 325, AO 17: 678, AO 17: 979, AO 17: 1312, AO 17: 1662, AO 17: 1983, AO 17: 2265, AO 17: 2664, AO 17: 3025, AO 17: A251, AO 17: A275, AO 18: A3, AO 18: 255, AO 18: A52, AO 18: 1105, AO 18: 1300, AO 18: 3208, AO 18: A116
- Scientific and technological information transfer, AGARD conference, Copenhagen, 8-9 Oct 1975. comments by J. H. Schulman, AO 15: A75
- Wald, George**
- Light and life (A), JOSA 64: 519
- Waldie, B.** See Boron, S., AO 17: 1644
- Waldman, J.** See Wolfe, S. M., AO 15: 2645
- Waldrop, F. B.**
- ; Bezik, M. J.; Tewes, W. E.; Waldrop, R. C.: Electroplating application to the fabrication of optics (E), AO 14: 1783
- Waldrop, R. C.** See Waldrop, F. B., AO 14: 1783
- Waldschmidt, Jean Marc.** See Gerbaux, Xavier, AO 17: 1616
- Walker, C. T.** See Hochheimer, H. D., JOSA 66: 1105, JOSA 66: 1106
- Walker, H. E.** See McElroy, John H., AO 14: 1297
- Walker, J. G.** See Scaddan, R. J., AO 17: 3779
- Walker, P. E.** See Maniscalco, James A., JOSA 68: 546
- Environment and safety features of a laser fusion reactor concept (A), JOSA 68: 546
- Walker, T. W.**
- ; Bock, G. F.; Heimlich, R.: Kinetic cooling observation with a cw CO<sub>2</sub> laser (E), AO 16: 1342
- Walkup, John F.** See Deen, Lewis M., JOSA 64: 1396, AO 14: 2438; Froehlich, Gary K., JOSA 66: 1131, JOSA 67: 1368, JOSA 68: 1385, JOSA 68: 1665; Kral, E. Lee, JOSA 68: 1414, JOSA 69: 1409; Kribe, Thomas F., AO 16: 3131, AO 18: 52; Marks, Robert J., II, JOSA 66: 1130, JOSA 67: 1423, AO 15: 2289, AO 16: 739, AO 16: 746, AO 16: 1777, AO 18: 655, AO 18: 2783, JOSA 66: 918
- Novel techniques for optical information processing: an introduction, AO 18: 2735
- ; Abbott, Barton L.: Optimum techniques for suppressing film-grain noise (A), JOSA 64: 1401



- Wall, L. S. See She, C. Y., JOSA 65: 69  
Effects of atmospheric turbulence on the laser cross-beam velocimeter (T), JOSA 64: 1005
- Wall, S. D. See Huck, Fred O., AO 15: 1748, AO 16: 2454
- Wallace, James. See Miller, T. G., JOSA 65: 1191; Pugh, E. R., AO 13: 2512
- ; Pasciak, Joseph: Compensating for thermal blooming of repetitively pulsed lasers (A), JOSA 65: 1192
- ; Pasciak, Joseph: Compensating for thermal blooming of repetitively pulsed lasers (T), JOSA 65: 1257
- High-energy laser beam propagation through water droplets (A), JOSA 68: 1357
- ; Itzkan, I.; Camm, J.: Irradiance tailoring as a method of reducing thermal blooming in an absorbing medium (TE), JOSA 64: 1123
- ; Whitney, Cynthia K.: Simplified analysis for high-energy laser propagation (T), JOSA 68: 750
- ; Pasciak, Joseph: Theoretical aspects of thermal blooming compensation (T), JOSA 67: 1569
- ; Pasciak, Joseph: Thermal blooming of a rapidly moving laser beam (T), AO 15: 218
- ; Lilly, Julius Q.: Thermal blooming of repetitively pulsed laser beams (T), JOSA 64: 1651
- Wallace, Stephen C. See McKee, T. J., OL 3: 207; Stoicheff, B. P., JOSA 67: 1368
- ; Provovov, A. C.; Stoicheff, B. P.: Studies of rotational lifetimes in CO with a tunable VUV laser (A), JOSA 67: 1441
- ; McKee, T. J.; Stoicheff, B. P.: Tunable harmonic radiation in the Lyman  $\alpha$  region (1200–1300 Å) using magnesium vapor (A), JOSA 68: 677
- Wallart, F. See Penney, C. M., JOSA 66: 1106
- Wallenstein, R.  
—; Zacharias, H.: High-resolution laser spectroscopy in the vacuum ultraviolet (A), JOSA 68: 677
- ; Haensch, Theo W.: Linear pressure tuning of a multielement dye laser spectrometer (E), AO 13: 1625
- Wallerstein, Edward Perry. See Simmons, W. W., JOSA 66: 388
- Grinding and figuring of a 90° off-axis paraboloid segment (A), JOSA 64: 1377
- Optical fabrication and testing workshop, San Francisco region, 14–15 Mar 1975 (M), AO 14: 2049
- ; Marchi, F. T.; Patton, H. G.; Stowers, I. F.; Jones, W. A.: Shiva optical system (A), JOSA 68: 548
- Wallin, B. W. See Richardson, J. H., AO 16: 1133
- Walling, John C.  
—; Jensen, H. P.; Morris, R. C.; O'Dell, E. W.; Peterson, O. G.: Broad band tuning of solid state alexandrite lasers (A), JOSA 69: 373
- Tunable cw alexandrite lasers (A), JOSA 69: 1436
- ; Jensen, H. P.; Morris, R. C.; O'Dell, E. W.; Peterson, O. G.: Tunable-laser performance in  $\text{BeAl}_2\text{O}_4:\text{Cr}^{3+}$  (E), OL 4: 182
- Wallis, R. F.  
Optical Properties of Ions in Solids. Edited by B. Di Bartolo (B), AO 15: 1368
- Wallis, Robert  
Fast computation of tristimulus values by use of Gaussian quadrature (T), JOSA 65: 91
- Wallner, Edward P. See Wetherell, William B., JOSA 69: 1413
- Minimizing atmospheric dispersion effects in compensated imaging (T), JOSA 67: 407
- Walls, D. F. See Carmichael, H. J., JOSA 68: 1741
- Walls, F. L. See Wineland, D. J., JOSA 68: 648
- Walls, J. M. See Dunn, P., AO 18: 263, AO 18: 2171
- Walls, W. L. See Broersma, S., JOSA 64: 1111; Hendrickson, P. E., JOSA 64: 1119; Mathai, C. V., JOSA 67: 1532
- Walpole, J. N. See Moulton, Peter F., OL 1: 51
- Walrafen, G. E.  
Slitless optical-fiber laser Raman spectrometer (A), JOSA 64: 1368
- Walraven, R. L. See Coulson, K. L., AO 13: 497
- Walsh, A.  
Australian spectroscopy conference, 9th, Canberra, 13–17 Aug 1973 (M), AO 13: 703
- Walsh, A. M. See Ruckdeschel, F. R., AO 17: 999
- Walsh, D. A.  
—; Johnston, George T.: Sand erosion effect on the 10.6- $\mu\text{m}$  optical absorption of coated ZnSe (E) (L), AO 15: 25
- Walsh, J. E. See Stockton, M., JOSA 68: 1629
- Walsh, Kenneth. See Baumeister, Philip W., JOSA 67: 1039; Lewis, Owen, JOSA 68: 542
- Walsh, P. J. See Vezzoli, Gary C., AO 15: 327
- Walsh, T. J. See Bridges, William B., JOSA 64: 541
- Walter, Howard, Jr.  
—; Flanigan, Dennis: Detection of atmospheric pollutants: a correlation technique (ET), AO 14: 1423
- Walters, Donald L.  
Passive remote crosswind sensor (E) (L), AO 16: 2625
- Telescopic "seeing" measurements during the day and night (A), JOSA 67: 1377
- Vertical path atmospheric modulation transfer function for desert floor and mountain locations (A), JOSA 68: 1368
- ; Favier, D. L.; Hines, J. R.: Vertical path atmospheric MTF measurements (ET), JOSA 69: 828
- Walters, J. P. See Hosch, J. W., AO 16: 473
- Walther, Adrian. See Frienier, E. R., JOSA 69: 634; O'Neill, E. L., JOSA 67: 1125, JOSA 68: 277
- Lenses, wave optics, and eikonal functions (errata), JOSA 68: 277
- Propagation of the generalized radiance through optical instruments (A), JOSA 68: 1404
- Propagation of the generalized radiance through lenses (T), JOSA 68: 1606
- Theorem on the uniqueness of the generalized radiance (T), OL 3: 127
- Walther's definitions of generalized radiance: reply (L), JOSA 64: 1275
- Walther, H.  
Theoretical Problems in the Spectroscopy and Gas-Dynamics of Lasers. Edited by N. G. Basov (B), AO 17: 3514
- Wampler, F. B. See Rice, W. W., JOSA 68: 687
- ; Rice, W. W.; Oldenbor, R. C.; Akerman, M. A.; Magnuson, D. W.; Smith, D. F.; Werner, G. K.: Emission and ionization induced by focused KrF-laser irradiation of UF<sub>6</sub> (E), OL 4: 143
- Wanchoo, S.  
—; Yip, Gar Lam: Stabilization of the output from an electro-optical modulator in a lens waveguide communication system (A), JOSA 67: 1445
- Wandzura, S. M.  
Effects of atomic motion on wavefront conjugation by resonantly enhanced degenerate four-wave mixing (T), OL 4: 208
- Wandzura, Stephen M. See Valley, George C., JOSA 69: 712
- Wang, Charles C.  
Laser-induced fluorescence and OH spectroscopy (A), JOSA 64: 1380
- ; Killinger, D. K.: OH spectroscopy using a cw tunable laser (A), JOSA 68: 634
- Wang, Charles P. See Sandstrom, R. L., JOSA 64: 553
- Doppler velocimeter using diffraction grating and white light (T), AO 13: 1193
- High-repetition-rate rare-gas-halide lasers (A), JOSA 68: 1355
- High-resolution imaging systems through turbulent media (A), JOSA 64: 561
- ; Snyder, D.: Laser Doppler velocimetry: experimental study (E), AO 13: 98
- Laser Systems in Flow Measurement. By Tariq S. Durrani and Clive A. Greated (B), JOSA 67: 1604
- Master and slave oscillator array system for very large multiline lasers (T), AO 17: 83
- ; Smith, P. L.: Phase control of HF chemical lasers for coherent optical recombination (T), AO 18: 1322
- ; Sandstrom, R. L.: Three-mirror stable resonator for high power and single-mode lasers (ET), AO 14: 1285
- Wang, Dau-Sing. See Barber, Peter W., AO 17: 797, AO 18: 962; Chew, Herman W., AO 18: 2679; Druger, S. D., AO 18: 3888
- ; Chen, Harry C. H.; Barber, Peter W.; Wyatt, Philip J.: Light scattering by polydisperse suspensions of inhomogeneous nonspherical particles (T), AO 18: 2672
- ; Barber, Peter W.: Scattering by inhomogeneous nonspherical objects (T), AO 18: 1190
- Wang, G. See Kanstad, S. O., AO 17: 87, AO 18: 142
- Wang, H. L.  
—; DeShazer, L. G.: Diamagnetic Faraday effect in the garnets YAG, YGG, and GGG (A), JOSA 64: 1383
- Wang, J. Y.  
Effect of finite bandwidth on far-field performance of modal wavefront—compensative systems (T), JOSA 69: 819
- ; Goulard, R.: Information content in remote sensing: comments (T) (L), AO 13: 2467
- Infrared atmospheric transmission of laser radiation (T), AO 13: 56
- Laser absorption methods for simultaneous determination of temperature and species concentrations through a cross section of a radiating flow (T), AO 15: 768
- ; Markey, J. K.: Modal compensation of atmospheric turbulence phase distortion (T), JOSA 68: 78
- ; Goulard, R.: Numerical solutions in remote sensing (T), AO 14: 862
- Optical resolution through a turbulent medium with adaptive phase compensations, JOSA 67: 383
- Passive optical diagnostics of combustion flows (T), AO 16: 627
- Performance of a phase-compensated laser beam through atmospheric turbulence (A), JOSA 68: 540
- Phase-compensated optical beam propagation through atmospheric turbulence (T), AO 17: 2380
- Temperature effect on the atmospheric transmission function in the 15- $\mu\text{m}$  region (T), OL 2: 169
- Wang, Keith Y. See Tam, Philip S. H., JOSA 64: 1358
- Wang, R. T.  
—; Greenberg, J. Mayo: Scattering by spheres with nonisotropic refractive indices (ET), AO 15: 1212
- Wang, S. C.  
Negative glow discharge white laser (A), JOSA 67: 1424
- Wang, S. C. H.  
—; Plonus, M. A.: Irradiance scintillation of a partially coherent source in extremely strong turbulence (A), JOSA 68: 1369
- ; Plonus, M. A.; Ouyang, C. F.: Irradiance scintillations of a partially coherent source in extremely strong turbulence (T) (L), AO 18: 1133
- ; Plonus, M. A.: Optical beam propagation for a partially coherent source in the turbulent atmosphere (T), JOSA 69: 1297
- Wang, Shyh. See Lee, Yong-Kyung, AO 15: 1565; Ranganath, T. R., AO 14: 1847; Shams, Mohammad Kazem, OL 4: 96; Shyu, R. S., AO 13: 118; Tsang, Won-Tien, JOSA 66: 288, JOSA 66: 292, AO 14: 1200
- Wang, T. T. See Vazirani, H. N., JOSA 67: 706
- ; McDavid, J. M.; Yee, S. S.: Photoacoustic detection of localized absorption regions (E) (L), AO 18: 2354
- ; Zupko, H. M.; Vazirani, H. N.; Schonhorn, H.: Ultraviolet-cured epoxy-acrylate coatings on optical fibers III. Effect of environment on long-term strength (A), JOSA 67: 706
- Wang, Ta-Keng  
—; Tsui, Po-Chuan; Kuo, In-Cheer; Chang, Horng: Optical parallelism measurement of ruby laser rods (ET), AO 13: 1379
- Wang, Ting-i. See Clifford, S. F., JOSA 64: 1390, AO 14: 2844; Ochs, G. R., AO 15: 403, AO 15: 2504, AO 17: 3774
- ; Strohbehn, John W.: Log-normal paradox in atmospheric scintillations (T), JOSA 64: 583
- ; Lorfald, G.; Lawrence, Robert S.; Clifford, S. F.: Measurement of rain parameters by optical scintillation (ET), AO 16: 2236
- ; Lawrence, Robert S.: Measurement of rain parameters by optical scintillation: computer simulation of the correlation method (T), AO 16: 3176
- ; Earnshaw, K. B.: Optical velocimeter for precipitation (A), JOSA 68: 541
- ; Strohbehn, John W.: Perturbed log-normal distribution of irradiance fluctuations (T), JOSA 64: 994
- ; Ochs, G. R.; Clifford, S. F.: Saturation-resistant optical scintillometer to measure  $C_n^2$  (TE), JOSA 68: 334
- ; Earnshaw, K. B.; Lawrence, Robert S.: Simplified optical path-averaged rain gauge (TE), AO 17: 384
- ; Clifford, S. F.; Klemperer, W. K.: Temporal power spectrum of rainfall-induced optical scintillation (A), JOSA 64: 539
- ; Clifford, S. F.: Use of rainfall-induced optical scintillations to measure path-averaged rain parameters (T), JOSA 65: 927



- ; Clifford, S. F.; Ochs, G. R.: Wind and refractive-turbulence sensing using crossed laser beams (TE), AO 13: 2602
- Wang, Victor.** See Hellwarth, Robert W., JOSA 68: 689; Soileau, M. J., AO 13: 1286
- ; Giuliano, Concetto R.: Correction of phase aberrations via stimulated Brillouin scattering (E), OL 2: 4
- ; Jain, R. K.: Image reconstruction via phase-conjugated stimulated Brillouin scattering (A), JOSA 68: 1627
- Wang, W. Y.**
- ; DiLaura, T. J.: Bragg effect waveguide coupler analysis (A), JOSA 67: 1392
- ; DiLaura, T. J.: Bragg effect waveguide coupler analysis (T), AO 16: 3230
- Wangemann, Robert T.** See Sliney, David H., JOSA 66: 339
- Ward, C. A.**
- ; Alexander, R. W.; Bell, Robert J.: Damped surface electromagnetic waves in metal oxides (A), JOSA 65: 1195
- ; Bell, Robert J.; Alexander, R. W.; Kovener, G. S.; Tyler, I. L.: Surface electromagnetic waves on metals and polar insulators: some comments (T), AO 13: 2378
- Ward, Frank**
- ; Tansley, Brian W.: Increment thresholds across minimally distinct borders (E), JOSA 64: 760
- Ward, Gray.** See Kirmaci, Ismail, AO 18: 3328; Stein, David, JOSA 67: 257
- Ward, J. F.** See Bigio, Irving J., AO 67: 979
- Ward, J. M.** See Costley, A. E., JOSA 14: 336
- Ward, T. V.**
- ; Zwick, H. H.: Gas cell correlation spectrometer: GASPEC (ET), AO 14: 2896
- Warde, Cardinal.** See Fisher, Arthur D., JOSA 68: 1385, OL 4: 131; Reilly, David M., JOSA 69: 464
- ; Reilly, David M.: Efficient single-scatter model for atmospheric optical propagation (A), JOSA 68: 1357
- Lummer-Gehrcke interferometer modified for spectroscopy of thin films (A), JOSA 66: 1089
- Lummer-Gehrcke interferometer modified for the spectroscopy of thin dielectric films (ET), AO 15: 2730
- ; Fisher, Arthur D.; Cocco, D. M.; Burmawi, M. Y.: Microchannel spatial light modulator (E), OL 3: 196
- ; Fisher, Arthur D.; Cocco, D. M.; Burmawi, M. Y.: Microchannel spatial light modulator (errata), OL 4: 73
- Warden, E. S.**
- ; Moos, H. W.: Penning discharge as a photoelectric EUV spectroscopy source (E), AO 16: 1902
- Ware, W. R.** See Andre, J. C., AO 18: 1355
- Warga, Mary E.**
- JOSA 66: 1455, JOSA 66: 85, JOSA 66: 191, JOSA 66: 299, JOSA 66: 403, JOSA 66: 403, JOSA 66: 875, JOSA 66: 983
- Atmospheric spectroscopy OSA topical meeting, Keystone, Colorado, 30 Aug-1 Sep 1978 (M), JOSA 68: 1791
- Bylaws amendment (N), JOSA 67: 1605
- Council of Engineering and Scientific Society Executives Meeting, 12-14 Aug 1976, Atlanta, Georgia (N), JOSA 66: 1315
- Distinguished Service Award 1977, Stanley Ballard (N), JOSA 67: 274
- From the Executive Office (N), JOSA 65: 108, JOSA 65: 236, JOSA 65: 364, JOSA 65: 476, JOSA 65: 620, JOSA 65: 751, JOSA 65: 863, JOSA 65: 976, JOSA 65: 1087, JOSA 65: 1160, JOSA 65: 1391, JOSA 65: 1533, JOSA 66: 1143, JOSA 68: 147, JOSA 68: 287, JOSA 68: 427, JOSA 68: 558, JOSA 68: 876
- Handbook of Optics (N), JOSA 68: 1650
- Handicapped scientists (N), JOSA 67: 1450
- Local sections, OSA, new, Northwest Section (N), JOSA 67: 1291
- Meggers, William F., Award, 1977, Mark S. Fred and Frank S. Tomkins (N), JOSA 67: 1136
- Meteorological optics OSA topical meeting, Keystone, Colorado, 28 Aug-1 Sep 1978 (M), JOSA 68: 1791
- National Research Council report (N), JOSA 67: 1709
- New beginning for science (N), JOSA 66: 750
- 1976 Pittsburgh Conference (N), JOSA 66: 639
- Pittsburgh conference on analytical chemistry and applied spectroscopy, Cleveland, 4-8 Mar 1974 (M), JOSA 64: 1028
- Student Awards 1977 (N), JOSA 67: 1291
- Using uniform color scales (N), JOSA 67: 996
- U. S. Office of Naval Research, ONR, thirtieth anniversary symposium (N), JOSA 66: 1315
- Waring, Richard C.** See Query, Marvin R., JOSA 64: 530, AO 17: 3587, JOSA 64: 39, JOSA 66: 830
- Wark, D. Q.**
- ; Lienesch, J. H.; Weinreb, Michael P.: Satellite observations of atmospheric water vapor (ET), AO 13: 507
- ; Stowe, L. L.: Sensitivity of zenith twilight polarization to stratospheric aerosol particle concentration (A), JOSA 67: 260
- Warner, A. W.** See Hackett, W. H., Jr., JOSA 67: 709
- Warner, John.** See Burns, W. K., JOSA 64: 441
- Excitation of hybrid modes in magneto-optic waveguides (E) (L), AO 13: 1001
- Warner, R. T.** See Dutta, N., OL 1: 155; Schlesinger, Z., JOSA 69: 1434
- Warniak, J. S.** See Morris, R. H., AO 14: 2808
- Warren, D. W.** See Santamaria, J., AO 16: 1513
- Warren, Russell E.** See Lutomirski, Richard F., AO 14: 840
- Correlation and structure functions for arbitrary optical beams in a random medium (T) (L), JOSA 68: 536
- Multiple pulse detection in atmospheric turbulence (T), AO 17: 2721
- Warren, Walter R., Jr.**
- Chemical laser technology (A), JOSA 64: 543
- Warshaw, S.** See Baumgartner, Richard A., JOSA 66: 386
- Washio, K.** See Kishida, S., JOSA 68: 631
- Watanabe, A.** See Hill, Kenneth O., JOSA 64: 1365, AO 14: 950, JOSA 64: 263; Imai, Masaaki, JOSA 64: 526; Matsuhara, Masanori, JOSA 64: 1365, JOSA 65: 163, JOSA 65: 804; Yano, T., AO 15: 2250
- Waterman, Talbot H.**
- Optics of polarization sensitivity in animals (A), JOSA 66: 1112
- Waters, J. P.**
- ; Woody, B. A.: Holographic nondestructive testing that utilizes chirped acoustic stressing (A), JOSA 65: 1224
- Waters, W. R.**
- ; Kostkowski, Henry J.: Stabilizing tungsten-ribbon pyrometer lamps with silicon photodiodes (A), JOSA 65: 1179
- Watkins, J. R.** See Wilson, R. M., AO 16: 944
- Watkins, J. W.** See Roberts, H. N., AO 13: 841
- Watkins, L. S.** See Krawarik, P. H., AO 17: 3984; Smithgall, D. H., AO 16: 2395
- Effect of noncircular cross section on the forward scattering pattern of side-illuminated unclad fibers (T), AO 18: 4089
- ; Frazee, R. E., Jr.: Gold contact inspection using a scanning laser beam (A), JOSA 64: 1393
- Laser beam refraction traversely through a graded-index preform to determine refractive index ratio and gradient profile (E), AO 18: 2214
- Scattering from side-illuminated clad glass fibers for determination of fiber parameters (TE), JOSA 64: 767
- Watkins, L. W.**
- Optical design for fiber optic diameter measurement instrument (A), JOSA 66: 1123
- Watkins, Wendell R.** See Bruce, Charles W., AO 15: 2970; Schleusener, Stuart A., AO 16: 2615; White, Kenneth O., JOSA 65: 1201, JOSA 66: 1088, AO 14: 16, AO 14: 2812, AO 17: 2711
- ; White, Kenneth O.: Absorption of DF laser radiation by propane and butane (E) (L), AO 15: 1114
- Automation of longpath absorption cell measurements (A), JOSA 67: 1419
- ; White, Kenneth O.; Bower, Lanny R.; Sojka, Brian Z.: Measurements and modeling of self- and air-broadened 3.8  $\mu$ m H<sub>2</sub>O continuum absorption (A), JOSA 68: 1425
- Path differencing: an improvement to multipass absorption cell measurements (E) (L), AO 15: 16
- ; White, Kenneth O.: Path-differencing measurements of DF laser absorption by propane with butane (A), JOSA 65: 1163
- ; White, Kenneth O.; Bower, Lanny R.; Sojka, Brian Z.: Pressure dependence of the water vapor continuum absorption in the 3.5-4.0- $\mu$ m region (E), AO 18: 1149
- ; White, Kenneth O.; Sojka, Brian Z.; Bower, Lanny R.: Pressure dependence of water vapor continuum absorption (A), JOSA 67: 1442
- ; Spellicy, Robert L.; White, Kenneth O.; Sojka, Brian Z.; Bower, Lanny R.: Water vapor absorption coefficients at HF laser wavelengths (2.64-2.93  $\mu$ m) (ET), AO 18: 1582
- ; Spellicy, Robert L.; White, Kenneth O.; Sojka, Brian Z.; Bower, Lanny R.: Water vapor absorption measurements using a hydrogen fluoride laser (A), JOSA 67: 1442
- ; White, Kenneth O.: Water-vapor-continuum absorption measurements (3.5-4.0  $\mu$ m) using HDO-depleted water (E), OL 1: 31
- Watson, J., Jr.** See Anderson, Richard J., JOSA 67: 1641
- Watson, James K. G.**
- ; Yin, Peter K. L.: Possibility of atmospheric temperature sounding by the solar occultation technique (T) (L), AO 14: 549
- Watson, James M.** See Palais, Joseph C., JOSA 64: 1396
- Watts, Keith.** See Singer, Sidney, JOSA 68: 542
- Watts, L. A.** See Pellicori, S. F., AO 18: 2618
- Watts, R. K.**
- ; de Wit, M.; Holton, W. C.: Nonoxide chalcogenide glass films for integrated optics (E), AO 13: 2329
- Wattson, Richard B.** See Swift, Roderick D., AO 15: 1595
- Waxler, Roy M.** See Feldman, Albert, JOSA 67: 254, AO 16: 2925; Horowitz, Deane, JOSA 64: 635
- ; Horowitz, Deane; Feldman, Albert: Optical and physical parameters of Plexiglas 55 and Lexan (E), AO 18: 101
- ; Horowitz, Deane; Feldman, Albert: Precision interferometer for measuring photoelastic constants (E) (L), AO 16: 20
- Waynant, Ronald W.** See Eden, J. Gary, JOSA 68: 1646, OL 2: 13
- Beam divergence of vacuum ultraviolet lasers (A), JOSA 66: 1098
- Carbon Dioxide Lasers: Effects and Applications. By W. W. Duley (B), AO 16: 789
- Chemical and Biochemical Applications of Lasers, Volume 3. Edited by C. B. Moore (B), AO 17: 1158
- Chemical and Biochemical Applications of Lasers; Volume 1. Edited by C. Bradley Moore (B), JOSA 65: 972
- Exploring Laser Light. By T. Kallard (B), AO 16: 1118
- Laser Devices and Applications. Edited by Ivan P. Kaminow and Anthony E. Siegman (B), JOSA 64: 1278
- Laser-Induced Discharge Phenomena. By Yu. P. Raizer (B), AO 17: 2864
- Laser Interaction and Related Plasma Phenomena. Edited by Helmut J. Schwarz and Heinrich Hora (B), JOSA 66: 509
- Laser Interaction and Related Plasma Phenomena, Volumes 3A and 3B. Helmut J. Schwarz and Heinrich Hora, Editors, JOSA 66: 870
- Lasers and Masers—Series I (A Compilation of Abstracts) (B), JOSA 65: 360
- Physical Processes in Lasers. Edited by D. V. Skobel'syn (B), JOSA 64: 575
- Progress in Electro-Optics: Reviews of Recent Developments. Edited by Ezio Camatini (B), AO 15: 1368
- Progress in Lasers and Laser Fusion. Edited by Arnold Perlmutter and Susan M. Widmayer (B), AO 15: 2292
- Table of Laser Lines in Gases and Vapors, Springer Series in Optical Sciences, Volume 2. By R. Beck, W. Englisch, and K. Guers (David L. MacAdam, Editor) (B), JOSA 67: 574
- Table of Laser Lines in Gases and Vapors, Second Revised and Enlarged Edition. R. Beck, W. Englisch, and K. Guers (B), JOSA 68: 1152
- XeF waveguide laser (E), OL 3: 221
- Waynick, A. H.**
- Thin film optical waveguides colloquium, IEEE, London, 9 Mar 1973 (M), AO 13: 1735



- Weaire, D.**  
—; Wherrett, B. S.; Miller, D. A. B.; Smith, S. D.: Effect of low-power nonlinear refraction on laser-beam propagation in InSb (TE), OL 4: 331
- Weakliem, H. A.** See Bartolini, R. A., AO 15: 1261
- ; Channin, D. J.; Bloom, Allen: Determination of refractive index changes in photosensitive polymer films by an optical waveguide technique (E) (L), AO 14: 560
- Weale, Robert A.** See Reading, Veronica M., JOSA 64: 231
- Ocular optics and evolution (L), JOSA 66: 1053
- Weaver, A. L.** See Paek, U. C., AO 14: 294
- Weaver, E. G.** See Blit, S., JOSA 67: 1384, OL 1: 58, AO 17: 721, AO 18: 733
- Weaver, H. J.**  
—; Morris, James R.; Johnson, B. C.; Bliss, E. S.: Linear and nonlinear propagation characteristics of spatially shaped laser beams (A), JOSA 64: 562
- Weaver, Kenneth E.**  
Application of optical instrumentation in medicine, 4th SPIE/SPSE seminar, Atlanta, 25-27 Sep 1975 (M), AO 15: 839
- Weaver, W. R.** See Meador, W. E., JOSA 67: 261, AO 15: 3155, AO 18: 1204
- Webb, Clinton B.** See Lieber, Albert J., JOSA 66: 384
- Webb, Heywood.** See Stark, Henry, JOSA 69: 1042
- Webb, J.** See Stotlar, S. C., JOSA 69: 1472
- Webb, L. L.** See Rhodes, William T., JOSA 69: 1414
- Webb, W. A.** See Eldering, Herman G., JOSA 64: 547
- Webb, William E.**  
Focus errors in laser beam divergence measurements (T) (L), AO 17: 685  
—; Marino, Joseph T., Jr.: Threshold detection in an on-off binary communications channel with atmospheric scintillation (T), AO 14: 1413
- Webber, P. J.** See Pitt, A. N., JOSA 67: 255; Savage, J. A., AO 16: 2938
- Weber, Bruce A.**  
—; Simonis, George J.; Kulpa, Stanley M.: Tunable kilowatt  $^{12}\text{CH}_3\text{F}$ -laser emission from an unstable resonator (E), OL 3: 229
- Weber, E. W.** See Goldsmith, J. E. M., JOSA 68: 1411, AO 18: 1983
- ; Goldsmith, J. E. M.: Pressure and plasma shift and broadening of resolved Balmer- $\alpha$  fine-structure lines in hydrogen (A), JOSA 68: 1633
- Weber, H. P.** See Junghans, J., AO 13: 2793, AO 14: 1758; Kaminow, Ivan P., AO 13: 396; Kogelnik, H., JOSA 64: 174; Tomlinson, W. J., JOSA 65: 1220, AO 15: 534
- Dye Lasers. Edited by F. P. Schaefer (B), AO 14: 788
- ; Liao, P. F.: Optical diffusiometer for submicrometer-distance energy-diffusion determination (TE), JOSA 64: 1337
- Weber, J. W.** See Ketcham, David J., JOSA 66: 171
- Weber, Jonathan L.**  
Effects of vidicon lag on optical multichannel analyzer measurements (A), JOSA 67: 1445
- Weber, Larry F.**  
Simple optical interferometer for measuring phase changes smaller than  $10^{-5}$  Å (A), JOSA 66: 385
- Weber, Marvin J.** See Milam, D., JOSA 66: 388; Smith, W. Lee, AO 17: 3938; Stokowski, S. E., JOSA 68: 542
- ; Cline, C. F.; Saroyan, R. A.; Milam, D.; Smith, W. Lee; Linford, Gary J.; Stokowski, S. E.; Hagen, W. F.; Layne, C. B.; Baldwin, C. M.: Beryllium fluoride glasses for fusion lasers (A), JOSA 68: 542
- ; Saroyan, R. A.; Layne, C. B.; Linford, Gary J.; Jacobs, Ralph R.; Trenholme, John B.: Evaluation of new neodymium glasses for fusion laser amplifiers (A), JOSA 66: 388
- New glasses for neodymium fusion lasers (A), JOSA 68: 1393
- Weber, W. H.** See Flicker, Herbert, AO 17: 851; Jennings, D. E., OL 2: 157; Levitt, J. A., AO 18: 2694
- ; Eagen, C. F.: Energy transfer from an excited dye molecule to the surface plasmons of an adjacent metal (ET), OL 4: 236
- ; Maker, P. D.; Yeung, K. F.; Peters, C. W.: High-resolution stark spectroscopy in the  $\nu_4$  band of  $\text{NH}_3$  using a thin-film diode laser (E), AO 13: 1431
- Internal Rotation and Inversion: An Introduction to the Problems of Large Amplitude Motion in Molecules. By D. G. Lister, J. N. MacDonald, and N. L. Owen (B), AO 17: 3857
- ; Lambe, John: Luminescent greenhouse collector for solar radiation (T) (L), AO 15: 2299
- ; McCarthy, S. L.; Ford, G. W.: Perturbation theory applied to gain or loss in an optical waveguide (T) (L), AO 13: 715
- Webster, J. C.**  
—; Mumola, Peter B.; Harris, D. B.; Sloan, E. L., III; Guha, Jayanta K.: Physical optics propagation code (A), JOSA 67: 1438
- Wecht, K. W.** See Nelson, D. F., JOSA 67: 707
- Wedding, Brent**  
Optical absorption by polychromatic glasses (A), JOSA 68: 1395
- Wedendal, P. R.**  
—; Bjelkhagen, Hans I.: Dynamics of human teeth in function by means of double pulsed holography: an experimental investigation (E), AO 13: 2481
- Weeks, R. W.**  
—; Duley, W. W.: Interaction of TEA  $\text{CO}_2$  laser radiation with aerosol particles (E), AO 15: 2917
- Weeks, S. J.** See Boutilier, G. D., AO 17: 2291, AO 18: 607
- Wei, David T. Y.** See Bloom, Louis R., JOSA 64: 524
- ; Lee, William W.; Bloom, Louis R.: Large refractive-index change induced by ion implantation in lithium niobate (A), JOSA 64: 1366
- Wei, Hang-Dong.** See Chang, Ming-Wen, JOSA 69: 1456
- Wei, J.**  
—; Ingre, S. J.: Optical phase matching in  $\text{Ta}_2\text{O}_5$  waveguides (A), JOSA 65: 1222
- Wei, J. S.** See Ingre, S. J., AO 14: 2194
- ; Tan, C. C.: Attachable plastic grating coupler for integrated optics (A), JOSA 66: 291
- ; Tan, C. C.: Coupling to film waveguides with reusable plastic gratings (E) (L), AO 15: 289
- Modulation characteristics of total internal reflection electro-optical gratings (A), JOSA 66: 1101
- Wei, Patra Rung-rung**  
—; Wilkins, J. Ernest, Jr.: Apodization with specified Sparrow limit of resolution for incoherent illumination (A), JOSA 64: 528
- Weiche, W. J.** See Jacobs, J. T., JOSA 66: 381
- Weickmann, Helmut K.** See Kuhn, Peter M., AO 13: 512; Wendling, Peter, AO 18: 2663
- Weid, D.** See Yao, S. K., AO 18: 446
- Weidner, Victor R.** See Eckerle, K. L., AO 15: 703
- ; Hsia, Jack J.: NBS reference hazemeter: its development and testing (E), AO 18: 1619
- ; Hsia, Jack J.: NBS specular reflectometer-spectrophotometer (A), JOSA 69: 1427
- Weigelt, Gerd P.** See Lohmann, A. W., JOSA 66: 177, JOSA 66: 1271
- Speckle holography measurements of the stars Zeta Cancri and ADS 3358 (E) (L), AO 17: 2660
- Weigl, John W.**  
Imaging Systems, Mechanisms and Applications of Established and New Photosensitive Processes. By Kurt I. Jacobson and Ralph E. Jacobson (B), JOSA 67: 1693
- Weigt, G. I.** See Coulson, K. L., AO 13: 497
- Weih, D.** See Small, R. D., AO 15: 1591
- Weil, Herschel.** See Senior, Thomas B. A., AO 16: 2979
- ; Chu, C.-M.: Scattering and absorption of electromagnetic radiation by thin dielectric disks (T), AO 15: 1832
- Weil, Raoul**  
—; Neshmit, Dalia: Parallellicity criteria for samples to be studied using Fabry-Perot interferences (T), AO 16: 2847
- ; Neshmit, Dalia: Parallellicity criterion for samples to be studied using Fabry-Perot interferences (A), JOSA 67: 252
- ; Neshmit, Dalia: Temperature coefficients of the indices of refraction and of the birefringence in cadmium sulphide (E), JOSA 67: 190
- Weiler, M. H.**  
—; Aggarwal, R. L.; Lax, Benjamin: Magnetoreflexion studies of  $\text{Hg}_{1-x}\text{Cd}_x\text{Te}$  alloys (A), JOSA 67: 255
- Weinberg, J. L.** See Sparrow, J. G., AO 16: 978
- ; Schuerman, Donald W.; Beeson, David E.: Photometer calibration problem for extended astronomical sources: comments (ET) (L), AO 15: 2620
- Weinberg, J. Morris.** See Caulfield, Henry John, JOSA 66: 1123
- Weinberg, Steven**  
Light as a fundamental particle (A), JOSA 64: 519
- Weinberger, E.**  
—; Stoiceff, B. P.: Self-broadening and shifts of high Rydberg states in rubidium (A), JOSA 69: 1406
- Weindling, Frederik.** See Adelman, Stephen, JOSA 66: 380
- Weiner, Melvin M.** See Sutton, George W., AO 15: 2228
- Collecting capability of an optical system (T) (L), AO 15: 838
- Far-field energy, in the geometric mode limit, of loaded unstable resonators with centered or corner obscurations (T) (L), AO 16: 1790
- Modes of empty off-axis unstable resonators with rectangular mirrors (T), AO 18: 1828
- Spatially dispersive transmission bands at small grazing angles of incidence (A), JOSA 65: 1167
- Weingarten, Richard A.**  
—; Swinney, Harry L.: Confocal interferometer light-scattering sample cell (E) (L), AO 17: 3028
- ; Swinney, Harry L.: Interferometric light-scattering cell (A), JOSA 65: 1210
- Weinman, James A.** See Shipley, Scott T., JOSA 68: 130; Twitty, J. T., AO 15: 980
- Weinman, L. S.**  
—; Kim, C.; Tucker, T. R.; Metzbow, E. A.: Characteristics of laser surface melted aluminum alloys (E), AO 17: 906
- Weinreb, Michael P.** See Wark, D. Q., AO 13: 507
- ; Planet, Walter G.; Jones, George D.: Transmittance of the atmosphere to infrared solar radiation (A), JOSA 67: 1377
- Weinstein, A.** See Weiser, H., AO 15: 3123
- Weinstein, Berthold W.** See Attwood, D. T., AO 16: 1253; Singleton, Russell M., JOSA 68: 545, AO 18: 4116
- ; Hendricks, Charles D.: Interferometric measurement of laser fusion targets (TE), AO 17: 3641
- ; Willenborg, D. L.; Weir, J. T.; Hendricks, Charles D.:  $4\pi$  Interferometric measurements of laser fusion targets (A), JOSA 68: 544
- Weir, J. T.** See Weinstein, Berthold W., JOSA 68: 544
- Weise, H.** See Witt, K., AO 14: 1768
- Weiser, H.**  
—; Vitz, R. C.; Moos, H. W.; Weinstein, A.: Sensitive far UV spectrograph with a multispectral element microchannel plate detector for rocket-borne astronomy (E), AO 15: 3123
- Weiss, A. W.** See Sugar, Jack, OL 4: 109
- Weiss, H.** See Dallas, W. J., OL 3: 247; Klotz, E., AO 15: 1913
- Weiss, K.** See Zerull, R. H., JOSA 67: 257, AO 16: 777
- Weiss, Paul B.** See Kohler, David R., JOSA 67: 1445, JOSA 68: 543; Mitchell, Kenneth B., JOSA 64: 535
- ; Kohler, David R.: Characterization of pyroelectric vidicons for use with pulsed  $\text{CO}_2$  lasers (A), JOSA 67: 1445
- Weiss, R. E.**  
—; Waggoner, A. P.; Baker, M. B.; Covert, D. S.; Thorsell, D.; Yuen, S.; Charlson, Robert J.: Application of directly measured aerosol radiative properties to climate models (A), JOSA 67: 260
- Weiss, R. G.** See Faust, W. L., JOSA 68: 639
- Weisskopf, Victor F.**  
Fifty years of quantum electro-dynamics (A), JOSA 67: 1398
- Weinstein, Naomi.** See Genter, C. Roy, II, JOSA 69: 1479; Growney, Ronald, JOSA 65: 1379; Tangney, John, JOSA 67: 1408; Williams, Amanda, JOSA 68: 1365
- Weitkamp, C.** See Harms, J., AO 17: 1131
- Weitz, A.** See Ben-Yosef, N., AO 18: 2462, JOSA 69: 1616
- Weitz, D. A.**  
—; Skocpol, W. J.; Tinkham, M.: Capacitive-mesh output couplers for optically pumped far-infrared lasers (E), OL 3: 13
- Welch, R. M.**  
—; Cox, S. K.: Nonspherical extinction and absorption efficiencies (T), AO 17: 3159



- Welford, Walter T.** See Barnett, M. E., JOSA 66: 171; Nicholas, D. J., AO 17: 3368; Winston, Roland, JOSA 68: 289, JOSA 69: 532, JOSA 69: 536
- Coherence and Quantum Optics IV: Proceedings of the Fourth Rochester Conference 8-10 June 1977.** Edited by Leonard Mandel and Emil Wolf (B), AO 18: A173
- Electromagnetic Scattering.** Edited by Piergiorgio L. E. Uslenghi (B), AO 18: 1171
- Matrices and lens calculations: comments (L), AO 18: 1126**
- ; Winston, Roland: Problem of ideal flux concentrators (T), JOSA 68: 531
- ; Winston, Roland: Problem of ideal flux concentrators: addendum (T) (L), JOSA 69: 367
- Solitons in Actions.** Edited by Karl Lonngren and Alwyn Scott (B), AO 18: 3374
- Speckle in images: its effects and its suppression (A), JOSA 66: 177**
- Speckle in images (T), JOSA 66: 1172**
- ; Winston, Roland: Two-dimensional nonimaging concentrators with refracting optics (T) (L), JOSA 69: 917
- Wellegehausen, B.**
- ; Stephan, K. H.; Heitmann, H. H.; Welling, Herbert: Developments in optically pumped cw dimer lasers (A), JOSA 68: 715
- Weller, J. F.** See Deitch, R. H., AO 13: 712
- ; Giallorenzi, Thomas G.: Indiffused waveguides: effects of thin film overlays (T) (L), AO 14: 2329
- Weller, Royal**
- Photoelastic Effect and Its Applications.** Edited by Jean Kestens (B), JOSA 66: 507
- Welling, Herbert.** See Beigang, R., JOSA 68: 636; Ebert, J., AO 18: 818; Koch, Klaus-P., OL 4: 387; Wellegehausen, B., JOSA 68: 715
- Wells, C. W.** See Hoekstra, R., JOSA 66: 1096, AO 17: 604
- Wells, Daniel R.** See Davidson, Joseph, AO 17: 1481
- Wells, Donald C.** See Frieden, B. Roy, JOSA 67: 1416, JOSA 68: 93
- Wells, J. S.** See Petersen, F. R., JOSA 67: 1398
- ; Petersen, F. R.; Maki, Arthur G.: Heterodyne frequency measurements with a tunable diode laser- $\text{CO}_2$  laser spectrometer: spectroscopic reference frequencies in the 9.5- $\mu\text{m}$  band of carbonyl sulfide (E), AO 18: 3567
- Wells, Michael B.** See Blattner, Wolfram G., AO 13: 534
- Wells, W. C.**
- ; Gal, G.; Munn, Michael W.: Aerosol distributions in maritime air and predicted scattering coefficients in the infrared (T), AO 16: 654
- Wells, W. H.** See Slemon, C., AO 16: 3082
- Welsh, H. L.** See Hollinger, A. B., JOSA 67: 1397; Jammu, K. S., AO 15: 423; Kostyk, E., JOSA 67: 1397
- Progress in Optics, Vol. 12.** Edited by Emil Wolf (B), AO 15: 841
- Welter, Gary L.**
- ; Worden, Simon P.: Processing stellar speckle interferometry data (T), JOSA 68: 1271
- Wemple, S. H.** See Pinnow, D. A., JOSA 64: 525
- Material dispersion in optical fibers (T), AO 18: 31**
- Wende, B.** See Nubbemeyer, H., AO 16: 2708
- Wendling, Peter**
- ; Wendling, Renate; Weickmann, Helmut K.: Scattering of solar radiation by hexagonal ice crystals (T), AO 18: 2663
- Wendling, Renate.** See Wendling, Peter, AO 18: 2663
- Weng, Chi.** See Bufton, Jack L., AO 18: 3363
- Wenzel, J.** See Stokowski, S. E., JOSA 68: 542
- Wenzel, Robert G.** See Arnold, George P., AO 16: 603
- ; Arnold, George P.: Parametric oscillator: hf oscillator-amplifier pumped CdSe parametric oscillator tunable from 14.1  $\mu\text{m}$  to 16.4  $\mu\text{m}$  (E), AO 15: 1322
- Werlich, Harold W.** See Pole, Robert V., JOSA 66: 385, AO 17: 3294
- Wernand, M. R.** See Spitzer, D., AO 17: 12, AO 18: 1698
- Wernecke, S. J.** See Bracewell, R. N., JOSA 65: 1342
- Werner, C. W.** See Monsler, Michael J., JOSA 68: 546
- Werner, Ch.**
- ; Mich, W.: DFVLR airborne lidar system (A), JOSA 66: 386
- Laser Remote Sensing for Air Pollution Measurements; First German Lidar Conference, Essen, 9-11 Oct 1974 (M), AO 14: 796**
- Werner, G. K.** See Wampler, F. B., OL 4: 143
- Werner, John S.**
- ; Wooten, Billy R.: Opponent chromatic mechanisms: relation to photopigments and hue naming (TE), JOSA 69: 422
- ; Wooten, Billy R.: Possible photopigment input to the opponent chromatic mechanisms (A), JOSA 67: 1379
- Werner, Marlin Spike**
- Synchronous stabilization of visual perception by voice vibration (E) (L), JOSA 64: 890**
- Werner, W.** See Hoekstra, R., JOSA 66: 1096, AO 17: 604
- Imaging properties of Wolter I type x-ray telescopes (T), AO 16: 764**
- X-ray efficiencies of blazed gratings in extreme off-plane mountings (E), AO 16: 2078**
- Werthamer, N. Richard.** See Cooper, Benjamin S., JOSA 64: 523
- Wertheimer, A. L.**
- In situ contamination detection using light scattering (A), JOSA 66: 1124**
- ; Wilcock, W. L.: Light scattering measurements of particle distributions (TE), AO 15: 1616
- ; Wilcock, W. L.: Particle-distribution analysis using light scattering (A), JOSA 65: 1210
- ; Trainer, M. N.: Polarization-dependent light scattering for sizing submicron particles (A), JOSA 69: 1451
- Wesdorp, C. A.** See Dil, Jan G., AO 18: 3198
- Wesely, M. L.**
- ; Derzko, Z. I.: Atmospheric turbulence parameters from visual resolution (E), AO 14: 847
- Wesley, M. A.** See Wilczynski, Janusz S., JOSA 69: 1455
- Wesner, John W.**
- Screen patterns used in reproduction of continuous-tone graphics (R), AO 13: 1703**
- Wesolowska, C.** See Truszkowska, K., AO 17: 1579
- Wessel, John E.**
- ; Gelbwachs, Jerry A.; Klein, Chris F.: Tuning characteristics of the potassium and sodium vapor quantum counters (A), JOSA 69: 1428
- West, E. D.**
- ; Schmidt, L. B.: Spectral-absorbance measurements for laser calorimetry (TE), JOSA 65: 573
- West, E. J.** See Burns, W. K., AO 15: 1053; Deitch, R. H., AO 13: 712
- West, Edward A.**
- Extending the field of view of KD\*P electrooptic modulators (TE), AO 17: 3010**
- West, Gary A.**
- ; Weston, Ralph E., Jr.; Flynn, George W.: Infrared laser-induced dehydrohalogenation of halogenated ethanes (A), JOSA 68: 1642
- ; Barrett, Joseph J.: Pure rotational stimulated Raman photoacoustic spectroscopy (E), OL 4: 395
- West, J. B.** See Grime, G. W., AO 14: 2317
- West, John B.**
- ; Long, William H., Jr.: Absorption measurements in rare-gas halogen lasers (A), JOSA 69: 1449
- West, K. W.** See Cohen, R. L., JOSA 64: 526, AO 13: 2522
- West, Michael A.**
- Lasers in chemistry conference, Royal Institution, 31 May-2 Jun 1977 (M), AO 16: 2346**
- West, Seymour S.**
- Linear polarimeter with rapid modulation...: comment (E) (L), AO 15: 1685**
- Westcott, P. A.** See Muscari, J. A., JOSA 64: 530, AO 14: 2883
- Westheimer, Gerald**
- ; McKee, Suzanne P.: Insensitivity of vernier acuity to small target velocities (A), JOSA 64: 1384
- ; Shimamura, Keiko; McKee, Suzanne P.: Interference with line-orientation sensitivity (E), JOSA 66: 332
- ; Shimamura, Keiko; McKee, Suzanne P.: Interference with orientation sensitivity for a line (A), JOSA 65: 1184
- Intraocular Light Scattering: Theory and Clinical Application.** By David Miller and George Benedek (B), JOSA 64: 256
- Local processing of visual information (A), JOSA 66: 1074**
- Spatial frequency and light spread descriptions of visual acuity and hyperacuity (A), JOSA 66: 1078**
- Spatial frequency and light-spread descriptions of visual acuity and hyperacuity (E), JOSA 67: 207**
- Spatial vision and geometrical principles (A), JOSA 68: 1370**
- ; McKee, Suzanne P.: Stereoscopic acuity for moving retinal images (E), JOSA 68: 450
- ; McKee, Suzanne P.: Visual acuity in the presence of retinal-image motion (E), JOSA 65: 847
- Weston, Ralph E., Jr.** See West, Gary A., JOSA 68: 1642
- Westwater, E. R.** See Pratte, F., JOSA 68: 540
- Westwood, William D.** See Ingrey, S. J., AO 14: 2194, AO 15: 607
- ; Lit, John W. Y.: Sectioned thin-film grating (TE), JOSA 64: 1631
- Wetherell, William B.**
- ; Wallner, Edward P.: Broad spectral bandpass atmospheric dispersion correctors (A), JOSA 69: 1413
- ; Rimmer, Matthew P.: Confocal paraboloids: some comments (T) (L), AO 13: 2192
- General analysis of aplanatic Cassegrain, Gregorian, and Schwarzschild telescopes (errata), AO 13: 242**
- Lens Design Fundamentals.** By Rudolf Kingslake (B), AO 17: 3508
- Wetting, W.**
- Measuring Faraday rotation: a high precision method (E) (L), AO 14: 2332**
- Wetzel, Paul.** See Semmlow, John L., JOSA 69: 639
- Wetzstein, Hans.** See Ehn, Dennis C., JOSA 66: 391
- Weysenfeld, C. H.**
- Small dye laser in a semiunstable resonator pumped by an argon-jet guided spark (ET), AO 13: 2816**
- Whaling, Ward.** See Cardon, Bartley L., JOSA 68: 1447
- Whalley, E.** See Klug, D. D., JOSA 64: 1019
- Wharton, L.** See Goodman, N. B., AO 15: 2434
- Whatley, A.** See Evans, C. S., AO 15: 2736; Seeley, J. S., AO 18: 3368, AO 18: 3370
- Wheatley, S. E.** See Harper, C. D., JOSA 67: 579
- Wheaton, J. E. G.** See Driver, R. D., AO 15: 700
- Wheeler, Thomas G.** See Benolken, R. M., JOSA 64: 1379
- Wheelless, Leon L., Jr.** See Kay, David B., JOSA 69: 1446
- Wherrett, B. S.** See Weaire, D., OL 4: 331
- Oscillation characteristics of an external-cavity system as used with the spin-flip Raman laser (T), AO 17: 1295**
- Whinnery, John R.** See Bourkoff, E., JOSA 68: 1394, OL 4: 179; Hu, Chenming, JOSA 64: 1424; Pole, Robert V., AO 14: 569; Sheem, Sang K., JOSA 66: 288
- Whitbourn, L. B.** See Bolland, P., AO 15: 3047
- Whitbread, T.** See Chu, Pak L., AO 18: 1117
- Whitby, Kenneth T.** See Willeke, Klaus, JOSA 66: 382
- Whitcomb, S. E.** See Keene, J., AO 17: 1107
- White, A. D.** See Bruning, J. H., AO 13: 2693
- Rapid interferometric examination of glass for index inhomogeneity (E) (L), AO 18: 2525**
- Simple bifocus element for microscope objectives (ET) (L), AO 16: 549**
- White, Charles W.**
- ; Wolbarsht, Myron L.: Color vision in the ultraviolet (A), JOSA 65: 1199
- White, Ian A.**
- ; Snyder, Allan W.; Pask, Colin: Directional change of beams undergoing partial reflection (T) (L), JOSA 67: 703
- ; Pask, Colin: Effect of Goos-Haenchen shifts on pulse widths in optical waveguides (T) (L), AO 16: 2353
- ; Hutchesson, L. D.; Burke, James J.: End-fire coupling between optical fibers and diffused channel waveguides: comment (T) (L), AO 18: 2362
- ; Snyder, Allan W.: Radiation from dielectric optical waveguides: a comparison of techniques (T) (L), AO 16: 1470
- White, J. C.** See Harris, S. E., JOSA 68: 675
- ; Zdsiuk, G. A.; Young, J. F.; Harris, S. E.: Observation of atomic-pair absorption with an incoherent source (E), OL 4: 137
- ; Zdsiuk, G. A.; Young, J. F.; Harris, S. E.: Observation of radiative collisional fluorescence (A), JOSA 68: 1422
- White, J. J., III.** See Bauer, R. S., JOSA 64: 830



- White, J. M.**  
—; Heidrich, P. F.: Optical waveguide refractive index profiles determined from measurement of mode indices: a simple analysis (TE), AO 15: 151
- White, J. O.**  
—; Kirst, T. R.; Tauc, Jan: Amorphous silicon as a selective absorber of solar energy: a spectral emissivity study (E), AO 17: 2427
- White, John J., III**  
Progress in Optics 12. Edited by Emil Wolf (B), JOSA 65: 1387
- White, John U.**  
Very long optical paths in air (E), JOSA 66: 411  
Very long optical paths in a near-confocal system (A), JOSA 65: 1210
- White, Keith D.**  
—; Riggs, Lorrin A.: Binocular rivalry during establishment of the McCollough effect (A), JOSA 65: 1200  
Contingent aftereffects, "plaid" patterns, and spatial filtering (A), JOSA 69: 1419  
—; Baker, Howard D.: Foveal CFF during the course of dark adaptation (L), JOSA 66: 70  
—; Ellis, Steven R.: McCollough effect: pattern-alteration rate influences establishment (A), JOSA 65: 1200  
—; Post, Robert B.; Leibowitz, Herschell W.: Saccadic eye movements and body sway (A), JOSA 69: 1424
- White, Kenneth O.** See Bruce, Charles W., JOSA 66: 1088, AO 15: 2970; Gillespie, Patti S., AO 15: 865; Schleusener, Stuart A., JOSA 66: 1088, AO 14: 2564, AO 15: 2546, AO 16: 2615; Watkins, Wendell R., JOSA 65: 1163, JOSA 67: 1442, JOSA 67: 1442, JOSA 68: 1425, OL 1: 31, AO 15: 1114, AO 18: 1149, AO 18: 1582  
—; Watkins, Wendell R.: Erbium laser as a remote sensor of methane (TE) (L), AO 14: 2812  
—; Watkins, Wendell R.; Schleusener, Stuart A.: Holmium 2.06- $\mu$ m laser spectral characteristics and absorption by CO<sub>2</sub> gas (E) (L), AO 14: 16  
—; Watkins, Wendell R.; Tuer, T. W.; Smith, F. G.; Meredith, Robert E.: Water-vapor absorption measurements using a line-tunable deuterium fluoride laser (A), JOSA 65: 1201  
—; Watkins, Wendell R.; Bruce, Charles W.: Water vapor continuum absorption in the 3.5–4.1  $\mu$ m region (A), JOSA 66: 1088  
—; Watkins, Wendell R.; Bruce, Charles W.; Meredith, Robert E.; Smith, Frederick G.: Water vapor continuum absorption in the 3.5–4.0- $\mu$ m region (ET), AO 17: 2711
- White, Larry.** See Benjamin, Robert F., AO 17: 1160
- White, Richard**  
Analytic theory of certain halo arcs (T) (errata), JOSA 66: 1446  
Analytic theory of certain halo arcs (T), JOSA 66: 768  
New solutions of the refraction integral (T), JOSA 65: 676
- White, Thomas W.** See Irvin, Gregg E., JOSA 69: 1486; Sturr, Joseph F., JOSA 69: 1453
- Whitefield, R. J.**  
Noncontact optical profilometer (E), AO 14: 2480
- Whitefoot, H.** See Charman, W. N., AO 17: 3903
- Whiteford, R.** See Bates, B., AO 13: 1746
- Whitelaw, J. H.** See Mishina, H., AO 18: 2480
- Whitham, K.** See Gagnon, W. J., JOSA 68: 548
- Whitley, R. M.** See Gray, H. R., OL 3: 218
- Whitman, Alan M.** See Beran, Mark J., JOSA 64: 546, JOSA 64: 1636  
—; Beran, Mark J.: Asymptotic theory of irradiance fluctuations in a beam propagating in a random medium (T), JOSA 65: 765
- Whitman, R. L.** See Stupin, D. M., JOSA 68: 545  
—; Kruger, R. P.; Stupin, D. M.; Day, Robert H.: Microradiographs of laser fusion targets: 2-D modeling and analysis (ET), AO 18: 1367  
—; Kruger, R. P.; Stupin, D. M.; Day, Robert H.: Two-dimensional computer modeling and analysis of thin-wall microspheres (A), JOSA 68: 545
- Whitney, Cynthia K.** See Breaux, H., AO 18: 2638; Wallace, James, JOSA 68: 750  
Extending radiative transfer models by use of Bayes's rule (A), JOSA 67: 260  
—; Malchow, Harvey: New twilight simulations for atmospheric studies (A), JOSA 64: 1391
- Scattering of light by dielectric particles: a statistical theory (T), JOSA 69: 1554
- Whitney, K. G.** See Davis, J., JOSA 68: 547
- Whitney, W. T.**  
Electron-beam sustained-discharge HgCl laser (A), JOSA 68: 549  
Experiments with a sustained discharge mercury halide laser (A), JOSA 68: 706
- Whitsett, C. R.** See Summers, C. J., JOSA 67: 253
- Whitten, R. C.** See Turco, R. P., JOSA 67: 259  
—; Turco, R. P.: Gas phase chemistry in the Ames stratospheric aerosol model (A), JOSA 67: 259
- Whittier, J. S.** See Kerber, R. L., AO 15: 2358
- Wicker, Tom**  
New Gutenberg (N), AO 16: 1767
- Wickholm, David**  
—; Bickel, William S.: Molecular effect on equilibrium charge-state distributions (E) (L), JOSA 66: 502
- Widing, Kenneth**  
Skylab observations of the sun (170–630 Å) with the NRL objective grating spectroheliograph (A), JOSA 64: 1375
- Widmann, Dietrich W.**  
Quantitative evaluation of photoresist patterns in the 1- $\mu$ m range (TE), AO 14: 931
- Widner, Melvin M.** See Farnsworth, Archie V., Jr., JOSA 68: 549
- Wichel, J. F.** See DeWitt, D. P., JOSA 64: 537
- Wiederhorn, S. M.**  
Application of fracture-mechanics techniques to optical glass (A), JOSA 65: 1192
- Wieman, Carl E.**  
Measurement of the Lamb shift of the hydrogen ground state (A), JOSA 67: 1371
- Wiener-Avneer, Eliezer.** See Chandra, S., JOSA 68: 633
- Molecular Electro-Optics Part 1, Theory and Methods Part 2, Applications to Biopolymers Electro-Optics Series, Volume 1.** Edited by Chester T. O'Konski (B), JOSA 69: 920
- Wiese, G. E.**  
—; Wagner, Richard E.: Physical model for predicting grinding rates (T), AO 13: 2719
- Wiesemann, W.** See Boscher, J., AO 17: 3347
- Wieser, Paul**  
—; Stolzenburg, Manfred; Baumüller, Juergen: Aerosol particles: remarks on the optical properties (ET), AO 16: 2651
- Wigdor, I.** See Primmerman, C. A., AO 17: 2909
- Wiggins, T. A.** See Hammond, C. M., Jr., JOSA 65: 1164; Herman, R. M., JOSA 68: 1624
- Nonlinear refractive-index measurement using temporary gratings (A), JOSA 65: 1181  
—; Carrieri, A. H.: Reflectivity changes of Ge due to illumination by beams of unequal frequency (E), AO 18: 1921  
—; Bellay, J. A.; Carrieri, A. H.: Refractive index changes in germanium due to intense radiation (E), AO 17: 526  
—; Bellay, J. A.; Carrieri, A. H.: Refractive index changes in germanium due to intense radiation (errata), AO 17: 3706  
—; Qualey, J. R., III: Temporary diffraction gratings on the surface of indium arsenide (E) (L), AO 18: 960
- Wightman, T. E.** See Grum, Franc, AO 16: 2775
- Wijnbergen, J. J.**  
—; Kelly, A. A.: Far infrared transmission and reflection of Irtan 1 through Irtan 6 at low temperatures (E), AO 13: 2716
- Wijngaard, W.**  
Normal modes of an infinite hexagonal array of identical circular dielectric rods (T), JOSA 64: 1136
- Wijntjes, G.** See Hirschfeld, T., AO 13: 1740
- Wilcock, W. L.** See Wertheimer, A. L., JOSA 65: 1210, AO 15: 1616
- Wilcox, David**  
—; Anderson, Richard; Peacher, Jerry: Rotational and predissociation lifetimes of the A<sup>2</sup> $\Sigma^+$  state of OD (E), JOSA 65: 1368
- Wilczynski, Janusz S.** See Tibbetts, Raymond E., JOSA 66: 1113, JOSA 68: 1374  
—; Wesley, M. A.; Hillman, Lloyd W.: Astronomical applications of the synthetic aperture telescope (SAT) (A), JOSA 69: 1455
- Wild, Urs P.** See Tuan, Vo Dinh, AO 13: 2899
- Wild, Walter**  
—; Wilner, Kalman: Contribution of multiple reflections to thermal runaway in germanium (T) (L), AO 18: 3880
- Wildy, P. C.** See Bartlett, I. R., AO 14: 1
- Wiley, L.** See Greenspan, M., JOSA 68: 545
- Wiley, Robert S.** See Harrison, George R., AO 15: 971
- Wiley, William J.** See Fletcher, William H., AO 13: 734
- Wilford, John Noble**  
First Sputnik created a celestial traffic jam (N), AO 17: 979
- Wilhelmi, B.** See Daehne, S., JOSA 68: 683
- Wilhelmi, G. J.**  
—; Leader, J. Carl; Dalton, W. A. J.: Cross-polarized target signature measurements (E), AO 15: 1837  
—; Rouse, J. W., Jr.; Blanchard, A. J.: Depolarization of light back scattered from rough dielectrics (ET), JOSA 65: 1036
- Wilk, Stephen R.**  
—; Boyd, Robert W.; Owen, James F.; Teegarden, Kenneth J.: Optical properties of LiF laser crystals containing *M* centers (A), JOSA 69: 1463
- Wilke, V.**  
—; Schmidt, W.: Broadly tunable UV-source based on stimulated Raman scattering (A), JOSA 68: 1626
- Wilkerson, Gary W.** See Lytle, John D., JOSA 68: 1397, AO 18: 1842
- Wilkerson, John L.** See Casperson, Lee W., JOSA 65: 1166; Goodwin, F. E., JOSA 66: 389
- Wilkerson, Thomas D.** See Browell, Edward V., AO 18: 3474; Frazier, Gene F., AO 15: 1350; McIlrath, Thomas J., AO 18: 316; Schwemmer, Geary K., AO 18: 3539
- Wilkins, Charles L.**  
Tables of Wavenumbers for the Calibration of Infrared Spectrometers; second edition. By A. R. H. Cole (B), AO 16: 2598
- Wilkins, J. Ernest, Jr.** See Bentley, Cleo L., Jr., JOSA 64: 1404, JOSA 64: 969; Clements, Audrey M., JOSA 64: 23; Jadotte, Henry M., JOSA 66: 1052; Peng, Patra W., JOSA 65: 1292; Thompson, Winston L., JOSA 65: 1176; Wei, Patra Rung-rung, JOSA 64: 528  
Apodization for maximum Strehl criterion and specified Sparrow limit of resolution for coherent illumination (T), JOSA 67: 553  
Apodization for maximum Strehl ratio and specified Rayleigh limit of resolution (T), JOSA 67: 1027  
Apodization for maximum Strehl ratio and specified Rayleigh limit of resolution. II. (T), JOSA 69: 1526
- Wilkins, R. L.** See Kwok, M. A., JOSA 68: 655
- Wilkinson, C. D. W.** See Dalgoutte, David G., AO 14: 2983; Pelosi, P. M., AO 17: 1187; Stewart, G., JOSA 66: 292
- Wilkinson, F. J.** See Steel, W. H., AO 17: 506
- Willeke, Klaus**  
—; Liu, Benjamin Y. H.; Whitby, Kenneth T.: Aerosol sizing by optical means (A), JOSA 66: 382
- Willenborg, D. L.** See Weinstein, Berthold W., JOSA 68: 544
- Willets, D. V.** See Vaughan, J. M., JOSA 69: 1431
- Willey, Ronald R.**  
High-performance diffuse-reflectance spectroscopy from 2 to 18  $\mu$ m (A), JOSA 64: 1367  
Infrared reflectance: independent measurements yield good agreement (E) (L), AO 15: 1124
- Williams, A. D.** See Caulfield, Henry John, OL 1: 56
- Williams, Amanda**  
—; Weisstein, Naomi: Connectedness and three dimensionality affect the time course of masking (A), JOSA 68: 1365
- Williams, Arthur H.** See Lieber, Albert J., JOSA 66: 384  
Calorimeter for laser beams and plasma diagnostics (A), JOSA 68: 547
- Williams, C. W.** See Caird, John A., JOSA 68: 549
- Williams, D.** See Dworkin, L., JOSA 67: 709
- Williams, D. C.** See Burch, J. M., AO 16: 2445
- Williams, D. R.** See Stenhouse, I. A., AO 18: 3819
- Williams, David R.**  
Foveal cones often disobey the anterior pointing hypothesis (A), JOSA 68: 1451
- Williams, Dudley.** See Downing, Harry D., JOSA 67: 186; Palmer, Kent F., JOSA 64: 530, AO 14: 208, JOSA 64: 1107; Pinkley, Lary W., JOSA 66: 122, JOSA 66: 554, JOSA 67: 494, JOSA 68: 186; Robertson, Charles W., JOSA 65: 432; Sethna, Prochy P., JOSA 67: 499, JOSA 68: 429, JOSA 68: 815



- Advances in Atomic and Molecular Physics, Volume 10. Edited by D. R. Bates (B), JOSA 64: 894
- Infrared Spectra of Surface Compounds. By A. V. Kiselev and V. I. Lygin (B), JOSA 66: 505
- Physics of Atoms and Molecules. An Introduction to the Structure of Matter. By U. Fano and L. Fano (B), JOSA 64: 734
- Tables of Wavenumbers for the Calibration of Infrared Spectrometers. By A. R. H. Cole (B), JOSA 68: 144
- ; Pinkley, Lary W.; Sethna, Prochy P.: Van Vleck's principle of spectroscopic stability: molecular applications (A), JOSA 66: 1065
- Vibrational Spectra of Polyatomic Molecules. By L. M. Sverdlov, M. A. Kovner, and E. P. Krainov (B), JOSA 64: 1348
- Williams, Franklin C.**  
Color-film spectral sensitivities by Hadamard spectroscopy (T), JOSA 66: 1355
- Williams, John R.**  
Introduction to Diffraction, Information Processing, and Holography. By Francis T. S. Yu (B), AO 13: 685
- SPSE Handbook of Photographic Science and Engineering. Edited by Woodlief Thomas, Jr. (B), AO 14: 791
- Williams, M. F.** See Murray, E. R., AO 17: 296
- Williams, M. W.** See Arakawa, E. T., AO 17: 2502; Halm, T. L., AO 18: 1233
- ; Arakawa, E. T.: Optical properties of crystalline  $\text{MgF}_2$  from 115 nm to 400 nm (E) (L), AO 18: 1477
- Williams, Mary C.** See Irvin, Gregg E., JOSA 69: 1486
- Williams, P. F.** See Rousseau, D. L., JOSA 64: 529
- Scattering times in resonant Raman scattering (A), JOSA 64: 529
- Williams, R. E.**  
—; Morales, M.; von Bieren, Karlheinz: Wide aperture optical correlator—spectrum analyzer: evaluation of a new design, AO 14: 2944
- Williams, Rick A.**  
Neural and optical aspects of monkey contrast sensitivity (A), JOSA 68: 1427
- Williams, S. G.**  
WALRUS optical design forms (A), JOSA 68: 1373
- Williams, T. David**  
Effect of meridional disparity on depth perception (E), JOSA 69: 99
- Williams, T. L.**  
Dynamic Hartmann test: comments (E) (L), AO 15: 599
- Williams, T. P.**  
—; Baker, B. N.: Interaction of rhodopsin with membrane phospholipids (A), JOSA 64: 1379
- Williams, Vernon L.** See Goodell, John B., JOSA 66: 1133, JOSA 67: 1436, JOSA 67: 1436; Muffoletto, C. Verne, JOSA 65: 1215
- ; Fleig, G. John: Change of scatter after cleaning of silver mirrors (A), JOSA 65: 1215
- ; Lockie, Richard: Measurement of scatter from contaminated mirrors by means of bidirectional reflectance distribution function (BRDF) (A), JOSA 68: 1426
- ; Fleig, G. John: Method for cleaning low-scatter mirrors after exposure to silicone oil (A), JOSA 66: 1105
- ; Goodell, John B.: Polarization effects on overcoated mirrors (A), JOSA 66: 79
- Proposed method for measuring BRDF (A), JOSA 67: 1366
- ; Goodell, John B.; Muffoletto, C. Verne: Results of a test to try to eliminate blue blotches on a space mirror (A), JOSA 68: 1424
- Speculation on the amount of information needed to form the refractive optics of a frog's eye (A), JOSA 68: 1428
- Surface irregularity of the human eyelens (A), JOSA 67: 1427
- Williams, W. J.** See Goldman, A., JOSA 65: 10
- Willis, C.**  
—; Gandini, A.; Back, R. A.: Laser-induced molecular elimination reactions (A), JOSA 68: 692
- Willis, C. R.**  
—; Picard, R. H.: Resonance fluorescence in two-level atoms driven by intense chaotic light (A), JOSA 69: 1467
- Willison, J. R.** See Falcone, R. W., JOSA 68: 1422, OL 3: 162
- Willson, Richard C.** See Duncan, Charles H., AO 16: 2690
- Active cavity radiometer type IV (E), AO 18: 179
- Ground-level solar intensity as a function of meteorological conditions (A), JOSA 64: 1355
- Wilner, Kalman.** See Wild, Walter, AO 18: 3880
- Wilson, Alan D.**  
Holographic Nondestructive Testing. Edited by Robert K. Erf (B), JOSA 65: 860
- Wilson, Charles B.** See Diamond, Ivan, JOSA 64: 534
- Wilson, D.** See Buckman, A. B., JOSA 64: 1384, JOSA 65: 914
- Wilson, D. A.** See Kusters, J. A., JOSA 64: 434
- Wilson, David C.**  
Dynamic optometer (E), JOSA 64: 235
- Wilson, H. William**  
Infrared absorption bands of  $\alpha$ - and  $\beta$ -pinenes in the 8–14- $\mu\text{m}$  atmospheric window region (E), AO 18: 3434
- Wilson, Hugh R.** See Bergen, J. R., JOSA 69: 1580
- Role of spatial inhomogeneity in vision (A), JOSA 68: 1370
- Wilson, I. J.**  
—; Brown, B.; Loewen, Erwin G.: Grazing incidence grating efficiencies (TE) (L), AO 18: 426
- ; Botten, L. C.: Groove depth determination using a laser for sinusoidal groove gratings (TE), AO 16: 2086
- Wilson, J.** See Gurski, G. F., JOSA 67: 345
- Wilson, Jack**  
Gas Dynamic Lasers: An Introduction. John D. Anderson, Jr. (B), JOSA 66: 1442
- High-Power Lasers and Applications, Proceedings of the Fourth Colloquium on Electronic Transition Lasers at Munich, June 20–22, 1977. Edited by K.-L. Kompa and H. Walther (B), JOSA 68: 1153
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- Wilson, L.** See Buckler, M. J., JOSA 67: 707
- Origins of Life—Planetary Astronomy. Edited by L. Margulis (B), AO 13: 1531
- Wilson, M. G. F.** See Bulmer, C. H., JOSA 66: 291
- Wilson, R. Gale**  
Wavefront-error evaluation by mathematical analysis of experimental Foucault-test data (E), AO 14: 2286
- Wilson, R. M.**  
—; Teuber, D. L.; Watkins, J. R.; Thomas, D. T.; Cooper, C. M.: Image data-processing system for solar astronomy (R), AO 16: 944
- Wilson, Stewart W.** See McCann, John J., JOSA 69: 1452
- Wilson, T.** See Sheppard, C. J. R., OL 3: 115, AO 18: 1058, AO 18: 3764
- ; Sheppard, C. J. R.: Phase imaging in scanning optical microscopes (A), JOSA 69: 1443
- Wilson, W. L., Jr.** See Epton, P. J., AO 18: 1704; Ernst, W. E., JOSA 68: 1356; Marowsky, G., JOSA 68: 701, AO 17: 3491
- Wiltchko, E.** See Fercher, A. F., AO 18: 2427
- Windfordner, J. D.** See Boutilier, G. D., AO 17: 2291
- Windischbauer, G.** See Cabaj, A., AO 13: 722
- Window, B.** See Ritchie, I. T., AO 16: 1438
- ; Ritchie, I. T.; Cathro, K.: Selective electroplated chromium blacks (E), AO 17: 2637
- Winefordner, J. D.** See Blackburn, M. B., AO 18: 1804; Boutilier, G. D., AO 17: 3482, AO 18: 607, AO 18: 607
- Applied Physical Techniques. By R. C. Stanley (B), AO 14: 2350
- Atomic spectroscopy, 4th international conference, and 20th Canadian spectroscopy symposium, Toronto, 29 Oct–2 Nov 1973 (M), AO 13: 225
- Wineland, D. J.**  
—; Walls, F. L.; Drullinger, R. E.: High-resolution spectroscopy by radiative cooling of bound resonant absorbers (A), JOSA 68: 648
- Winer, Irvin M.**  
Calculated temperature dependences of silver and gold absorptions in the infrared (T) (L), AO 17: 1989
- ; Kepros, John G.: Study of Nd:YAG in the relaxation oscillator mode (A), JOSA 69: 1404
- Winful, H. G.** See Allen, Susan D., JOSA 68: 1360; Marburger, J. H., JOSA 68: 642
- ; Marburger, J. M.; Garmire, E.: Theory of bistability in nonlinear distributed feedback structures (A), JOSA 69: 1421
- Wing, William H.** See Farley, John W., JOSA 69: 1408, JOSA 69: 1410; Shy, J. T., JOSA 69: 1458
- Inexpensive highly efficient VUV light detectors (E) (L), AO 18: 2346
- Winkler, C. A.** See Howard, John N., AO 14: 2827
- Winkler, Carl E.**  
—; Korsch, Dietrich: Primary aberrations for grazing incidence (T), AO 16: 2464
- Winkler, Clive.** See Love, John D., AO 17: 2205, JOSA 67: 1627, JOSA 68: 1188
- ; Love, John D.; Ghatak, A. K.: Power attenuation in bent graded-index optical waveguides (A), JOSA 68: 1408
- Winkler, M. A.** See Stupin, D. M., JOSA 68: 1364
- Winn, K. R.** See Clark, J. H., JOSA 68: 1630
- Winn, R. K.**  
—; Harris, J. H.: Beam coupling to linear waveguides using lenslike waveguides (T), AO 14: 1213
- Winsemius, P.** See Lengkeek, H. P., AO 14: 2766
- Winslow, John**  
Mastering and replication of optical videodiscs (A), JOSA 66: 379
- Winstanley, J. V.**  
—; Adams, M. J.: Point visibility meter: a forward scatter instrument for the measurement of aerosol extinction coefficient (ET), AO 14: 2151
- Winston, Patrick H.**  
Psychology of computer vision (A), JOSA 67: 1399
- Winston, Roland.** See Collares-Pereira, M., AO 16: 2677; Goodman, N. B., AO 15: 2434; Harper, D. A., AO 15: 53, AO 15: 814; Keene, J., AO 17: 1107; Pereira, M., JOSA 66: 1068; Rabi, Ari, AO 15: 2880; Welford, Walter T., JOSA 68: 531, JOSA 69: 367, JOSA 69: 917
- Cone collectors for finite sources (T) (L), AO 17: 688
- Dielectric compound parabolic concentrators (T) (L), AO 15: 291
- ; Welford, Walter T.: Geometrical vector flux and some new nonimaging concentrators (T), JOSA 69: 532
- ; Welford, Walter T.: Ideal flux concentrators as shapes that do not disturb the geometrical vector flux field: a new derivation of the compound parabolic concentrator (T), JOSA 69: 536
- Ideal flux concentrators with reflector gaps (T) (L), AO 17: 1668
- Principles of solar collector design (A), JOSA 66: 1059
- ; Welford, Walter T.: Two-dimensional concentrators for inhomogeneous media (T), JOSA 68: 289
- Winter, D. C.** See Chao, S. L., JOSA 69: 1430
- Winter, L. M.** See Pitt, I. T., JOSA 64: 1328
- Winter, N.** See Bender, C. F., JOSA 68: 548; Powell, H. T., JOSA 68: 704
- Winterberg, F.**  
Bremsstrahlungslaser (T) (L), JOSA 66: 966
- Wintersteiner, P.** See Eyges, Leonard, JOSA 69: 1226
- Wirtenson, G. Richard**  
—; Flint, Douglas B.: Large aperture wedge filter for contrast enhancement (A), JOSA 66: 161
- Wiscombe, Warren J.**  
—; Chylek, Petr: Mie scattering between any two angles (T), JOSA 67: 572
- Wise, Charles M.**  
Zernike polynomial lens sensitivity program (ZEST) (A), JOSA 69: 1429
- Wise, Tim.** See Cline, Richard, JOSA 68: 1431
- Wise, Warren M.**  
Eastern analytical minisymposium, New York City, 21 Nov 1975 (M), AO 15: 594
- Wisner, George R.** See Angelbeck, A. W., JOSA 66: 391; Elkow, Robert M., JOSA 69: 1465
- ; Angelbeck, A. W.; Woody, B. A.; Greiner, A. F.; Freeman, R. H.; Reynolds, H. C.: Glint tracking using adaptive optical techniques (A), JOSA 66: 391
- Wisowaty, John J.** See Boynton, Robert M., JOSA 69: 1420
- Effects of surround illumination on temporal modulation sensitivity (A), JOSA 69: 1486
- Wiswall, C. E.** See Richardson, R. J., JOSA 68: 654



- Withbroe, George L.** See Reeves, E. M., AO 16: 849
- Extreme ultraviolet spectroscopy with the Harvard Skylab experiment (A), JOSA 64: 1375
- Withers, R. B.** See Franks, J., JOSA 68: 1418
- Witkin, Andrew P.**
- Minimum curvature assumption and perceived surface orientation (A), JOSA 68: 1450
- Witkowitz, T.**
- ; May, A. D.: Multireflection Raman cell: a design (TE), AO 14: 3092
- Witkowski, S.**
- Laser fusion program in West Germany (A), JOSA 68: 548
- Witt, Georg.** See Heintzenberg, Jost, AO 18: 1281; Henriksen, Kjell, AO 17: 2594
- Witt, K.**
- ; Otto, P.; Weise, H.: Test colors for specifying color reproduction (TE) (L), AO 14: 1768
- Witte, H.-H.** See Auracher, F., AO 16: 2195, AO 16: 3140
- Witteborn, Fred C.** See Augason, G. C., AO 14: 2146; Simpson, J. P., AO 16: 2051
- Cryogenically cooled infrared telescopes on the Space Shuttle (A), JOSA 68: 1430
- Witter, K.** See Hill, B., AO 14: 2607
- Wittig, Curt.** See Braverman, L. W., JOSA 66: 1108; Campbell, J. D., JOSA 68: 639, JOSA 68: 640; Quick, C. R., Jr., JOSA 68: 693; Reisler, H., JOSA 68: 638; Shim, Dong, AO 15: 1896; Spencer, D. J., JOSA 68: 652, OL 4: 1; Tiee, Joe J., JOSA 68: 672
- Wittig, S. L. K.** See Hirleman, E. Dan, Jr., JOSA 66: 382
- Wittke, J. P.** See Gorog, L., AO 15: 1425
- Wittmann, Julius.** See Schiffrin, Gerhard, AO 18: 2096
- Wittmann, W.** See Andrae, H. J., JOSA 65: 1410
- Witz, W.**
- Fraunhofer diffraction pattern of an aperture (T) (L), JOSA 65: 1077
- Witzel, R. F.** See Grum, Franc, JOSA 64: 210
- Wizinowich, P. L.** See Bissonnette, Luc R., AO 18: 1590
- Wodkiewicz, K.** See Eberly, Joseph H., JOSA 67: 1252
- Woehl, Walter E.**
- Transfer requirements for target radiance simulation in optical projection simulators (T), AO 14: 124
- Woerdman, J. P.**
- Laser-excited broadband violet emission from sodium vapor (A), JOSA 68: 714
- Woerner, R. L.**
- ; Hendricks, Charles D.: Fabrication of cryogenic laser fusion targets (A), JOSA 68: 550
- Woessner, D. E.**
- Brownian Motion and Spin Relaxation. By R. Lenk (B), AO 18: 414
- Wofford, S.** See Hecht, David L., JOSA 68: 1363
- Wohlars, Martin Ron.** See Hsiao, Stephen S., AO 15: 2391; Leib, Kenneth G., AO 17: 2892; Pernick, B. J., JOSA 66: 382, AO 17: 21, AO 17: 43, AO 17: 3205
- Optical matched filtering of incoherent images (T) (L), AO 18: 3548
- ; Mendelsohn, J.; Kopp, R. E.; Pernick, B. J.: Screening of cervical cytological samples using coherent optical processing. Part 2 (TE), AO 17: 35
- Wojcik, L. A.** See Graham, G. W., JOSA 69: 1372
- Wolbarsht, Myron L.** See Cope, W. T., JOSA 68: 1139; Sliney, David H., JOSA 66: 339; White, Charles W., JOSA 65: 1199
- ; Landers, M. B., III: Lasers in ophthalmology: the path from theory to application (TR), AO 18: 1518
- Optical design reflectors: part 3: comments (T) (L), AO 17: 3705
- Wolbarst, John**
- End messy Polaroid print coaters: comment (E) (L), AO 18: 418
- Wolf, E. L.**
- Amorphous and Liquid Semiconductors. Proceedings of the Fifth International Conference. Edited by J. Stuke and W. Brenig (B), JOSA 65: 361
- Quantum Theory of the Solid State, Parts A & B. By Joseph Callaway (B), JOSA 65: 470
- Wolf, Emil.** See Carter, William H., JOSA 64: 545, JOSA 65: 1198, JOSA 69: 1413, JOSA 65: 1067, JOSA 67: 785; Collett, Edward, JOSA 67: 1437, JOSA 68: 1410, JOSA 69: 1413, OL 2: 27, JOSA 67: 465, JOSA 69: 942; Foley, John T., JOSA 69: 761; Friberg, Ari T., JOSA 68: 1410; Mandel, Leonard, JOSA 65: 1198, JOSA 65: 413, JOSA 66: 529; Marchand, E. W., JOSA 64: 1219, JOSA 64: 1273
- ; Carter, William H.: Coherence and radiant intensity in scalar wave fields generated by fluctuating primary planar sources (T), JOSA 68: 953
- Coherence and radiometry (A), JOSA 67: 1413
- Coherence and radiometry (R), JOSA 68: 6
- ; Carter, William H.: Coherence and radiometry with quasihomogeneous sources (A), JOSA 66: 1075
- ; Carter, William H.: Far-zone behavior of fields from sources of arbitrary state of coherence (A), JOSA 64: 1398
- New stochastic model of energy transport in electromagnetic fields as basis for the theory of radiative transfer (A), JOSA 64: 1398
- ; Collett, Edward: Phase conjugacy and symmetry about the focal plane of the three-dimensional light distribution near focus (A), JOSA 69: 1473
- Radiant intensity from planar sources of any state of coherence (T), JOSA 68: 1597
- Radiometry as a branch of physical optics (A), JOSA 65: 1204
- ; Collett, Edward; Foley, J. T.: Tatarskii's investigations into the foundations of the theory of radiative energy transfer (A), JOSA 66: 1065
- Wolf, H. D.** See Lengyel, G., JOSA 67: 1424
- ; Zschauer, K. H.: Influence of external mirror heating on the emission characteristics of GaAs-GaAlAs DH laser diodes (A), JOSA 67: 1424
- Wolf, M. L.** See Kastner, Sidney O., JOSA 69: 1279
- Wolfe, C. M.** See Sun, M. J., AO 17: 1568, AO 17: 3533
- Semiconducting materials for monolithic integrated optics (A), JOSA 64: 524
- Wolfe, D. C.** See Baumgartner, Richard A., JOSA 66: 386
- ; Byer, Robert L.: Analytical study of laser computed tomography: application to air pollution (A), JOSA 69: 1411
- Wolfe, Jeremy M.** See Owens, D. Alfred, JOSA 69: 1423
- ; Held, Richard; Bauer, Joseph A., Jr.: Optokinetic nystagmus (OKN) is mediated by a binocular process (A), JOSA 69: 1423
- Wolfe, P. N.**
- ; Feldman, B. J.; Hafer, J. H.; Knapp, C. E.; Volkin, H. C.: Energy extraction and pulse shaping in Antares (A), JOSA 68: 543
- Wolfe, Robert H., Jr.**
- ; Simpson, Richard S.: Exposure time for space-borne IR spatial interferometer (T), AO 18: 228
- Wolfe, S. M.**
- ; Button, K. J.; Waldman, J.; Cohn, Daniel R.: Modulated submillimeter laser interferometer system for plasma density measurements (E), AO 15: 2645
- Wolfe, William L.** See Bareket, Noah, AO 18: 389; Bartell, Frederick O., JOSA 66: 1096, JOSA 66: 1097, JOSA 67: 252, AO 14: 249, AO 15: 84; Brod, Lang G., JOSA 66: 1123; DeBell, Arthur G., JOSA 68: 1397, AO 18: 3114; Fender, Janet, JOSA 69: 1456; Harvey, James E., JOSA 67: 254, JOSA 65: 1267; Icenogle, H. W., AO 15: 2348; Korniski, Ronald J., AO 17: 3138; Martinek, Stephen J., JOSA 67: 1370; Platt, Ben C., JOSA 65: 1264; Selvarajan, A., JOSA 68: 1366, AO 18: 3116; Sepulveda, Cesar, JOSA 66: 1122; Thompson, Christopher J. C., JOSA 66: 1119, JOSA 68: 1397, AO 18: 2085
- Background effects on the relative changes of radiance (A), JOSA 64: 546
- Differences in radiance: relative effects of temperature changes and emissivity changes (T), AO 14: 1937
- Errors in bar chart MRT test patterns (A), JOSA 66: 1104
- Infrared Detectors. Edited by Richard D. Hudson, Jr. and Jacqueline Wordsworth Hudson (B), JOSA 65: 1526
- ; Korniski, Ronald J.: Refractive index of Irtran 2 as a function of wavelength and temperature (E), AO 17: 1547
- Some calculational results using multicolor radiation inversion (A), JOSA 69: 1401
- Variable contrast infrared and visible field test target (A), JOSA 68: 1366
- Wolff, Milo**
- Polarization of light reflected from rough planetary surface (T), AO 14: 1395
- Wolff, Stephen S.** See Deitz, Paul H., JOSA 66: 178
- Wolfram, Lynn E.** See Grasselli, Jeanette G., AO 17: 1386
- Wolfson, N.** See Cohen, Ariel, AO 18: 2466
- Wolga, G. J.** See Dutta, N., OL 1: 155;
- Smithline, Leonard M., JOSA 69: 1434
- Wolken, Jerome J.**
- Visual system of invertebrates (A), JOSA 67: 1387
- Wollenmann, Hans-Peter.** See Pole, Robert V., AO 14: 976
- ; Pole, Robert V.: Holographic beam deflectors (A), JOSA 64: 562
- Wolynes, Peter G.**
- ; Roberts, Robert E.: Molecular interpretation of the infrared water vapor continuum (T) (L), AO 17: 1484
- Womack, K. H.** See Hopf, Frederic A., JOSA 69: 968
- Wong, A. Y.** See Divergilio, W. F., JOSA 68: 543
- Wong, C. F.**
- Birefringence measurement using a photoelastic modulator (E), AO 18: 3996
- Wong, M. C.** See Beverly, R. E., III, AO 16: 1572
- Wong, Man.** See Read, L. Arthur A., JOSA 68: 319
- Wong, N. C.**
- ; Eberly, Joseph H.: Multiphoton absorption in the presence of two finite-bandwidth lasers (T), OL 1: 211
- Wong, Shew M.**
- ; Krauss, George; Bennett, Jean M.: Optical and metallurgical characterization of molybdenum laser mirrors (A), JOSA 69: 1460
- Wonsiewicz, B. C.**
- ; Lazay, P. D.; Simpson, J. R.; French, William G.: Automatic analysis of interferograms: optical waveguide refractive index profiles (E), AO 15: 1048
- Wood, Albert D.** See Quelle, Fred W., Jr., AO 16: 789
- Wood, B. E.**
- ; Pipes, J. G.; Smith, A. M.; Roux, J. A.: Hemi-ellipsoidal mirror infrared reflectometer: development and operation (ET), AO 15: 940
- Wood, David R.** See Ross, Charles B., JOSA 66: 38
- ; Ross, Charles B.; Scholl, Pamela S.; Hoke, Michael L.: Interferometric measurement of Pb II spectrum (ET), JOSA 64: 1159
- Wood, G. L.** See Tobin, M. S., OL 4: 384
- Wood, Kurt A.** See Strauss, Herbert L., JOSA 68: 1448
- Wood, L.** See Zelazny, S. W., AO 15: 1164
- Wood, Lowell L.** See Bernhardt, Anthony F., JOSA 66: 416, JOSA 66: 420
- ; Chapline, George; Slutz, Stephen; Nuckolls, John H.: X-ray and  $\gamma$ -ray laser studies at the Lawrence Livermore Lab (A), JOSA 64: 556
- Wood, O. R., II.** See Silfvast, William T., JOSA 68: 1394, JOSA 68: 1623, OL 4: 271
- Wood, R. A.**
- ; Harrison, R. G.:  $16\ \mu\text{m}$  generation from four-wave mixing in germanium (A), JOSA 68: 1639
- Wood, R. M.** See Meltzer, R. S., AO 16: 1432
- Wood, Van E.** See Vahey, David W., JOSA 66: 289, JOSA 67: 1393; Verber, Carl M., JOSA 67: 1396
- ; Vahey, David W.: Aspherical axially symmetric geodesic lenses for integrated optics (A), JOSA 66: 1115
- Effects of edge-rounding on geodesic lenses (T), AO 15: 2817
- Woodall, J. M.**
- ; Hovel, H. J.; Hodgson, R. T.: Effect of fluorescent wavelength shifting on solar cell spectral response (A), JOSA 69: 1400
- Woodbury, D. A.**
- ; Tittel, F. K.; Rabson, Thomas A.: Hologram indexing in  $\text{LiNbO}_3$  with a tunable pulsed laser source (E), AO 18: 2555
- ; Chen, C. T.; Rabson, Thomas A.; Tittel, F. K.: Holographic storage in  $\text{LiNbO}_3$  with a tunable pulsed laser source (A), JOSA 68: 1442
- Woodgate, Bruce E.**
- Cylindrical and spherical gratings (T), JOSA 64: 654
- Woodie, W. L.** See Lutomirski, Richard F., AO 16: 665
- Woodman, Douglas P.**
- Limitations in using atmospheric models for laser transmission estimates (TE) (L), AO 13: 2193
- Woods, D. C.** See Crumbly, K. H., JOSA 67: 256
- Woods, D. R.**
- ; Leslie, D. H.; Tuer, T. W.: Application of high-resolution spectroscopy to DF laser propagation (A), JOSA 65: 1201



- Woods, F. J.** See Lin, M. C., JOSA 65: 1162
- Woods, P. T.**
- ; Shotton, K. C.; Rowley, W. R. C.: Frequency determination of visible laser light by interferometric comparison with upconverted CO<sub>2</sub> laser radiation (E), AO 17: 1048
- Woods, W. F.** See Taylor, M. J., AO 17: 885
- Woodson, Robert A.**
- Corrugated-wave-theory analysis for holography (A), JOSA 64: 1381
  - Doppler effect in interferometry (A), JOSA 68: 1390
  - Doppler paradoxes in interferometry (A), JOSA 69: 1459
  - Space-optical system for V/H measurement (A), JOSA 64: 531
- Woodward, Benjamin.** See Sasnett, Michael W., JOSA 66: 386
- Woodward, J. Arthur.** See Gille, Jennifer, JOSA 68: 1439
- Woody, B. A.** See Waters, J. P., JOSA 65: 1224; Wisner, George R., JOSA 66: 391
- Woody, D. P.** See Nishioka, N. S., AO 17: 1562
- Woody, L. M.** See Goodman, Joseph W., JOSA 67: 1423, JOSA 68: 1414, OL 2: 1, AO 16: 2611
- Woolf, H. M.** See Smith, W. Lee, AO 13: 499
- Woolf, N. J.** See Beckers, Jacques M., JOSA 69: 1436
- Woolsey, G. A.** See Lee, P. H., AO 15: 2825
- Wooten, Billy R.** See Werner, John S., JOSA 67: 1379, JOSA 69: 422
- ; Riggs, Lorrin A.: Accuracy of image stabilization using the double-Purkinje-image eyetracker (A), JOSA 68: 1413
  - ; Fuld, Kenneth; Spillmann, Lothar: Photopic spectral sensitivity of the peripheral retina (E), JOSA 65: 334
  - ; Butler, T. W.: Possible rod-cone interaction in dark adaptation (E) (L), JOSA 66: 1429
  - ; Fuld, Kenneth; Katz, Lenore; Moore, Margaret: Stiles-Crawford II Effect at high bleaching levels (A), JOSA 67: 1362
- Worchesky, T. L.**
- Assignment of methyl alcohol submillimeter laser transitions (TE), OL 3: 232
  - ; Ritter, K. J.; Sattler, J. P.; Riessler, W. A.: Heterodyne measurement of infrared absorption frequencies of D<sub>2</sub>O (A), JOSA 67: 1440
  - ; Ritter, K. J.; Sattler, J. P.; Riessler, W. A.: Heterodyne measurements of infrared absorption frequencies of D<sub>2</sub>O (E), OL 2: 70
- Worden, Earl F.** See Carlson, L. R., JOSA 66: 846; Paisner, Jeffrey A., JOSA 68: 640
- ; Solarz, R. W.; Paisner, Jeffrey A.; Conway, John G.: Accurate ionization potentials of lanthanide atoms by laser spectroscopy (A), JOSA 67: 1418
  - ; Paisner, Jeffrey A.; Conway, John G.: Associative ionization of laser-excited Rydberg states in strontium vapor (E), OL 3: 156
  - ; Conway, John G.: Energy levels of the first spectrum of curium, Cm I (ET), JOSA 66: 109
  - ; Conway, John G.: First ionization of neptunium by laser spectroscopy (A), JOSA 68: 1411
  - ; Solarz, R. W.; Paisner, Jeffrey A.; Conway, John G.: First ionization potentials of lanthanides by laser spectroscopy (E), JOSA 68: 52
  - ; Loughheed, R. W.; Gutmacher, R. G.; Conway, John G.: Hyperfine structure in the <sup>253</sup>Es emission spectrum, III: Extension of the line list, levels of Es I and Es II, nuclear magnetic-dipole and quadrupole moments (ET), JOSA 64: 77
  - ; Conway, John G.: Laser spectroscopy of neptunium; first ionization potential, lifetimes and new high-lying energy levels of Np I (E), JOSA 69: 733
- Worden, Simon P.** See Welter, Gary L., JOSA 68: 1271
- ; Harvey, J. W.; Lynds, C. R.: Reconstructed images of Alpha Orionis using stellar speckle interferometry (A), JOSA 66: 181
  - ; Lynds, C. R.; Harvey, J. W.: Reconstructed images of Alpha Orionis using stellar speckle interferometry (E), JOSA 66: 1243
- Wormser, Eric M.**
- Infrared Information Exchange, Proceedings of the Second Biennial. Edited by Cliff Warren (B), JOSA 66: 1441
- Worthey, James A.**
- Role of rods in photopic gray perception (A), JOSA 69: 1453
- Under-stimulation of scotopic system by fluorescent light (A), JOSA 69: 1487
- Woskoboinikow, P.**
- ; Praddaude, H. C.; Mulligan, W. J.; Cohn, Daniel R.; Lax, Benjamin: High power D<sub>2</sub>O submillimeter laser using tunable narrow linewidth optical pumping (A), JOSA 68: 1394
  - ; Praddaude, H. C.; Mulligan, W. J.: Saturable gas absorber for a 9- $\mu$ m-band CO<sub>2</sub>-laser amplifier (E), OL 4: 199
- Wouk, A.** See Schmidt-Weinmar, H. G., JOSA 65: 1188
- Wouters, Alain W.** See Gordon, Howard R., AO 17: 3341
- Woyk, E.**
- Ray tracing theory and mirage occurrence conditions (T), AO 17: 2108
- Wozniak, W. T.** See Jain, K., AO 14: 811
- Wray, James D.** See O'Callaghan, Fred G., AO 16: 973
- Wrenner, W. R.**
- Carbon dioxide laser drilling system for computer circuitry (A), JOSA 66: 380
- Wright, A. N.** See Howard, John N., AO 14: 2827
- Wright, David**
- Low-power, low-cost He-Ne (A), JOSA 66: 386
- Wright, Geraldine A.**
- Convenient expression for aspheric departure of conics (A), JOSA 68: 1452
- Wright, J. J.** See Havey, M. D., JOSA 67: 488, JOSA 67: 491
- ; Dawson, J. F.: Transmission of polarized light as a function of sample thickness for cholesteric liquid-crystal films (E) (L), JOSA 64: 250
- Wright, John C.**
- ; Kertesz, Andrew E.: Relative effectiveness of positional and orientational disparity cues in fusion (A), JOSA 64: 555
- Wright, Louis B.**
- Obligation of intellectuals to be intelligent (N), AO 17: A251
- Wright, M. D.** See Green, W. R., OL 4: 265
- Wright, M. L.**
- ; Johnson, G.: Performance of differential-scatter (DISC) lidar systems (A), JOSA 67: 257
- Wright, T. P.** See Miller, P. A., JOSA 68: 545
- Wright, W. D.**
- Colour 1973: Proceedings of the Second Congress of the International Colour Association. Edited by R. W. G. Hunt (B), AO 13: 12A18
  - Handbook of Optics. Edited by Walter G. Driscoll and William Vaughan (B), AO 18: 416
  - Mobile spectrophotometer for art curators and biologists (A), JOSA 65: 1174
- Wu, Che-Kuang**
- Alterable photochromic treated glasses (A), JOSA 68: 1396
- Wu, F. Y.**
- ; Grove, R. E.; Ezekiel, Shaoul: Frequency-stable jet-stream dye laser (A), JOSA 64: 553
- Wu, Jin**
- Fast-moving suspended particles: measurements of their size and velocity (E), AO 16: 596
- Wu, M. H.**
- ; Farhat, Nabil H.: New method for the determination of optical constants of thin films (A), JOSA 65: 1195
- Wu, T. S.** See Su, Y. K., AO 18: 3510
- Wuerker, R. F.** See Attwood, D. T., AO 16: 1253; Briones, R. A., AO 17: 944
- Wunderlich, J. A.**
- ; DeShazer, L. G.: Visible optical isolator using ZnSe (ET), AO 16: 1584
- Wunderman, Irwin**
- Wavars: nonlinear physical models for photons and free particles (A), JOSA 66: 1076
- Wungkobkiat, S.**
- ; Morita, T.; Uesaka, T.; Minami, S.: Automatic fluorescence microphotometer using an image dissector tube (E), AO 18: 2950
- Wurtman, Richard J.**
- Neuroendocrine effects of light (A), JOSA 64: 784
- Wyant, James C.** See Chen, Chungte W., JOSA 69: 1402, JOSA 69: 1439; Ebersole, John F., JOSA 64: 558, JOSA 64: 1402, AO 13: 1004, AO 15: 871; Emmel, P. M., JOSA 68: 1416; Hayes, John, JOSA 69: 1418; Koliopoulos, Chris L., JOSA 68: 1416, JOSA 69: 1455, OL 3: 118; Kwon, Ouk, JOSA 67: 1365; Leung, K. M., JOSA 68: 1416; Rimmer, Matthew P., AO 14: 142; Rubin, Lawrence F., JOSA 66: 1089, JOSA 69: 1305; Shagam, Richard N., JOSA 67: 1365, AO 17: 3034; Tamura, Poohsan N., JOSA 66: 169, JOSA 66: 1127; Thomas, David A., JOSA 67: 467
- ; O'Neill, P. K.: Computer generated hologram; null lens test of aspheric wavefronts (E) (L), AO 13: 2762
  - Computer-generated holograms in testing optical surfaces (A), JOSA 64: 557
  - Contemporary Optics. By A. K. Ghatak and K. Thyagarajan (B), AO 17: 3510
  - Fringe localization (T) (L), AO 17: 1853
  - Heterodyne interferometry in optical testing (A), JOSA 64: 1363
  - Holographic Interferometry. By Charles M. Vest (B), AO 18: 3155
  - Image blur for rainbow holograms (T), OL 1: 130
  - Imaging in astronomy: OSA topical meeting, Cambridge, 18-21 Jun 1975 (M), AO 14: 2322
  - ; Smith, F. Dow: Interferometer for measuring power distribution of ophthalmic lenses (ET), AO 14: 1607
  - ; O'Neill, P. K.; MacGovern, Alan J.: Interferometric method of measuring plotter distortion (ET) (L), AO 13: 1549
  - Optical transfer function measurements with a white light source: an interferometric technique, AO 14: 1613
  - Optimum performance of lateral shear interferometer for active wavefront compensation (A), JOSA 65: 1211
  - Principles of Holography, 2nd Edition. By Howard M. Smith (B), JOSA 66: 396
  - Rotating diffraction grating laser beam scanner (T) (L), AO 14: 1057
  - Use of an ach heterodyne lateral shear interferometer with real-time wavefront correction systems (T), AO 14: 2622
  - White light extended source shearing interferometer (ET), AO 13: 200
- Wyart, J. F.**
- Analysis of lanthanide atomic spectra: present state and trends (T), JOSA 68: 197
- Wyatt, Clair L.**
- Infrared spectrometer: liquid-helium-cooled rocketborne circular-variable filter (E), AO 14: 3086
  - ; Esplin, Roy W.: Multiplexed dispersive spectrometers using reduced background infrared detectors (T), AO 13: 2651
  - Multiplexed dispersive spectrometers using reduced background infrared detectors. comment 2 (T) (L), AO 14: 810
- Wyatt, Philip J.** See Wang, Dau-Sing, AO 18: 2672
- How Lorenz might have viewed the computation of the angular functions occurring in his theory (T) (L), AO 13: 2751
- Wyckoff, James M.**
- Gamma-Ray Spectroscopy with Particular Reference to Detector and Computer Evaluation Techniques. By P. Quittner (B), AO 13: 2A18
- Wydeven, Theodore J., Jr.** See Hollahan, John R., AO 13: 1844; Kubacki, Ronald M., JOSA 65: 1195
- ; Kubacki, Ronald M.: Antireflection coating prepared by plasma polymerization of perfluorobutene-2 (E), AO 15: 132
  - Plasma polymerized coating for polycarbonate: single layer, abrasion resistant, and antireflection (E), AO 16: 717
  - Plasma polymerized coating for polycarbonate: single layer, abrasion resistant, and antireflection (errata), AO 16: 1138
- Wyman, Charles L.**
- ; Korsch, Dietrich: Aplanatic two-mirror telescopes: a systematic study. 1: Cassegrainian configuration (T), AO 13: 2054
  - ; Korsch, Dietrich: Aplanatic two-mirror telescopes: a systematic study. 2: The Gregorian configuration (T), AO 13: 2402
  - ; Korsch, Dietrich: Aplanatic two-mirror telescopes: a systematic study. 3: The Schwarzschild Couder configuration (T), AO 14: 992
- Wyngaard, J. C.**
- Refractive-index spectral structure in the atmospheric boundary layer (A), JOSA 68: 509
- Wynne, C. G.** See Barnett, M. E., JOSA 66: 171
- Wynne, James J.** See Armstrong, John A., JOSA 68: 709, JOSA 69: 211; Esherrick, Peter, OL 1: 19; Hermann, J. P., JOSA 68: 1412, JOSA 68: 1631
- ; Hermann, J. P.: Spectroscopy of even-parity autoionizing states of Ba (A), JOSA 68: 1412
  - ; Hermann, J. P.: Spectroscopy of even-parity autoionizing levels in Ba (ET), OL 4: 106



- Vacuum-ultraviolet generation and spectroscopy (A), JOSA 65: 1172
- Wysocki, Gunter.** See Ohta, Noboru, JOSA 65: 1174, JOSA 65: 1175, JOSA 65: 327, JOSA 65: 834, JOSA 65: 1152, JOSA 65: 1354, JOSA 66: 269; Sharpe, L. T., JOSA 66: 40; Stiles, W. S., JOSA 67: 779
- Farbenlehre und Farbenmessung. Von Werner Schultze (B), JOSA 66: 393
- Uniform color scales: CIE 1964  $U+V+W$  conversion of OSA Committee selection (T), JOSA 65: 456
- Yaakobi, B.** See Skupsky, Stanley, JOSA 68: 549; Steel, Duncan G., JOSA 68: 550
- ; Bhagavatula, V. A.: Direct observation of population inversion between  $Al^{+11}$  levels in a laser-produced plasma (A), JOSA 68: 551
- Yablonovitch, Eli.** See Kolodner, P., OL 4: 38; Kwok, H. S., JOSA 69: 373
- Advances in Laser Chemistry. Edited by A. H. Zewail (B), AO 18: 415
- ; Bloembergen, N.; Black, Jerry G.; Kolodner, P.; Kwok, H. S.; Schultz, M. J.: Infrared laser-induced unimolecular reactions (A), JOSA 68: 638
- Laser-pulse requirements for coherent and mode-selective excitation in the quasicontinuum of polyatomic molecules (T), OL 1: 87
- Yager, Dean**
- ; Romeskie, Martha: Heterochromatic luminance additivity in pigeons (A), JOSA 64: 1387
- Yaguchi, Hirohisa**
- ; Ikeda, Mitsuo: Brightness enhancement and reduction for mixture of white and colored light (A), JOSA 68: 1438
- Yamada, Jun-ichi.** See Kawana, Akio, OL 2: 106; Kimura, Tatsuya, AO 17: 2420
- Yamada, K.** See Tanemura, S., JOSA 67: 251
- Yamada, M.** See Suematsu, Yasuharu, JOSA 66: 288
- Yamada, R.**
- ; Meiri, T.; Okamoto, N.: Guided waves along an optical fiber with parabolic index profile (E), JOSA 67: 96
- ; Inabe, Y.: Guided waves in an optical square-law medium (T), JOSA 64: 964
- Yamada, S.** See Maeda, Minoru, AO 16: 2198
- Yamada, Shoji.** See Tanaka, Toshiki P., AO 16: 2391, AO 18: 3261
- Yamagami, Teiichi.** See Okuda, Masahiro, AO 13: 799
- Yamagata, Sekiji.** See Yasuda, Ichiji, JOSA 66: 385
- Yamagishi, A.**
- ; Szabo, A. G.: Concentration independence of photon echo lifetimes in  $Pr^{3+}:LaF_3$  (E), OL 2: 160
- ; Szabo, A. G.: Electronically tuned pulsed dye laser (E), AO 16: 691
- Yamagishi, Genjiro.** See Sato, Takuso, AO 13: 406
- Yamaguchi, Takeshi**
- Refractive index measurement of high refractive index glass beads (E), AO 14: 1111
- Yamaguchi, Tomuo**
- ; Takahashi, Hidetoshi: Autocollimation-type ellipsometer for monitoring film growth through a single window (E), AO 15: 677
- ; Yoshida, Sadafumi; Kinbara, Akira: Effect of retarded dipole-dipole interactions between island particles on the optical plasma-resonance absorption of a silver-island film (TE), JOSA 64: 1563
- ; Takahashi, Hidetoshi: Ellipsometric method for separate measurements of  $n$  and  $d$  of a transparent film (TE), AO 14: 2010
- ; Takahashi, Hidetoshi; Sudoh, Akiyoshi: Optical behavior of a metal island film (T), JOSA 68: 1039
- Yamaguchi, Y.** See Suck, S. H., AO 18: 2609
- Yamamoto, Giichi.** See Asano, Shoji, AO 14: 29, AO 15: 2028
- Yamamoto, Hisao.** See Ogiwara, Haruo, AO 17: 1182
- ; Ogiwara, Haruo: Moving optical-fiber switch experiment (E), AO 17: 3675
- Yamamoto, Jiro.** See Sato, Takuso, AO 17: 2047
- Yamamoto, Junya.** See Smith, B. Thomas, JOSA 65: 605
- ; Smith, Bernard T.; Bell, Ely E.: Far-infrared spectra of dysprosium and terbium iron garnet (E), JOSA 64: 880
- Yamamoto, Koichi.** See Ichikawa, Yoshiki, JOSA 65: 892, JOSA 66: 932; Okuda, Masahiro, AO 13: 796
- Yamamoto, M.** See Ozeki, T., OL 2: 103
- Yamamoto, Manabu.** See Ishii, Akira, AO 18: 335
- ; Murayama, Seiichi: Analysis of resonant Voigt effect (TE), JOSA 69: 781
- Yamamoto, Noboru.** See Iga, Kenichi, JOSA 66: 385, JOSA 69: 1404, AO 16: 1305
- Yamamoto, Ryuichi.** See Sato, Takuso, AO 17: 717
- Yamamoto, S.** See Okamura, Y., JOSA 67: 539
- Yamamoto, Y.**
- ; Kamiya, Takeshi; Yanai, Hisayoshi: Propagation characteristics of a partially metal-clad optical guide: metal-clad optical strip line (ET), AO 14: 322
- Yamanaka, C.** See Kato, Yoshiaki, JOSA 68: 542; Matoba, M., JOSA 68: 670; Mochizuki, T., JOSA 68: 672
- Anomalous interaction of high-intensity laser beams with plasmas (A), JOSA 68: 658
- ; Nakai, S.; Matoba, M.; Azechi, H.; Fujita, H.; Norimatsu, T.; Miyayana, N.: Laser fusion experiments in Osaka (A), JOSA 68: 543
- Yamanaka, Masanobu.** See Mochizuki, T., JOSA 68: 672
- Optically pumped waveguide lasers (R), JOSA 67: 952
- Yamanaka, T.** See Sobagaki, H., JOSA 64: 743
- Yamanashi, B. S.** See Cope, W. T., JOSA 68: 1139
- Yamasaki, G.** See Mount, George H., AO 16: 591
- Yamashita, Jun-ichiro.** See Fujii, Yoichi, AO 17: 3444
- Yamashita, S.** See Kajimura, T., AO 18: 1812
- Yamauchi, R.** See Inada, K., JOSA 67: 709
- Yanai, Hisayoshi.** See Iiyama, Michitomo, AO 17: 1965; Kodate, K., AO 14: 522; Yamamoto, Y., AO 14: 322
- Yaney, Perry Pappas**
- ; DeShazer, L. G.: Implications regarding predictive laser design derived from studies of the laser states of  $Nd:YVO_4$  (A), JOSA 66: 1108
- ; DeShazer, L. G.: Spectroscopic studies and analysis of the laser states of  $Nd^{3+}$  in  $YVO_4$  (ET), JOSA 66: 1405
- Yang, C. Y.** See Loughin, S., AO 14: 1373
- Yang, J. M.**
- ; Sweeney, Donald W.: Infrared holography using the thermochromic material  $Cu_2HgI_4$  (TE), AO 18: 2398
- Yang, K. H.**
- ; Kingsley, J. D.: Calculation of coupling losses between light emitting diodes and low-loss optical fibers (T), AO 14: 288
- Yano, T.**
- ; Watanabe, A.: Acoustooptic  $TeO_2$  tunable filter using far-off-axis anisotropic Bragg diffraction (ET), AO 15: 2250
- Yao, S. K.** See Tsai, C. S., AO 16: 3044
- ; Tsai, C. S.: Acoustooptic Bragg-diffraction with application to ultrahigh data rate laser communication systems. 1: Theoretical considerations of the standing wave ultrasonic Bragg cell (T), AO 16: 3032
- Acoustooptic interaction in a planar acoustic waveguide (T), AO 17: 3837
- ; Weid, D.; Montgomery, Robert M.: Guided acoustic traveling wave lens for high-speed optical scanners (ET), AO 18: 446
- ; Anderson, D. B.; August, R. R.; Youmans, B. R.; Oania, C. M.: Guided-wave optical thin-film Luneburg lenses: fabrication technique and properties (E), AO 18: 4067
- Yap, B. K.**
- ; Fantone, Stephen D.: Application of a sunburst aperture to diffraction suppression (T), JOSA 64: 978
- Effects of object and detector sizes on the spatial frequencies of a one-dimensionally-scanned optical system (T) (L), AO 14: 567
- Yardley, J. T.** See Heller, D. F., JOSA 68: 1641
- Yarema, S. M.** See Linford, Gary J., JOSA 66: 388, JOSA 68: 548
- Yariv, Amnon.** See Agmon, P., AO 16: 2612; Auyeung, John, JOSA 68: 1383, OL 4: 42, AO 16: 3080, JOSA 69: 803; Gover, A., JOSA 66: 290, JOSA 66: 306; Hunsperger, R. G., AO 16: 1026; Lee, C. P., JOSA 66: 291; Livanos, Alexander C., AO 16: 1633; Nakamura, M., JOSA 66: 288; Nilsen, Joseph, AO 18: 143; Pepper, David M., JOSA 68: 689, OL 3: 7; Pole, Robert V., AO 14: 569; Shellan, Jeffrey B., OL 2: 136, JOSA 68: 18; Shih, Chun-Ching, JOSA 68: 644, JOSA 69: 1430, JOSA 69: 1476; Shin, Chun-Ching, JOSA 68: 628; Somekh, S., AO 13: 327; Yeh, Pochi, JOSA 67: 423, JOSA 68: 1196; Yen, H. W., JOSA 66: 291
- ; Pepper, David M.: Amplified reflection, phase conjugation, and oscillation in degenerate four-wave mixing (T), OL 1: 16
- ; Fekete, Dan; Pepper, David M.: Compensation for channel dispersion by nonlinear optical phase conjugation (T), OL 4: 52
- ; Yeh, Pochi: Electromagnetic propagation in periodic stratified media. II. Birefringence, phase matching, and x-ray lasers (T), JOSA 67: 438
- Periodic interactions and wave conjugation in optical waveguides (A), JOSA 68: 1365
- Phase conjugate optics and real time holography (A), JOSA 69: 1475
- Transmission and recovery of three-dimensional image information in optical waveguides (T), JOSA 66: 301
- Yasa, Zafer**
- ; Amer, Nabil M.; Rosen, H.; Hansen, A. D. A.; Novakov, T.: Photoacoustic investigation of urban aerosol particles (E) (L), AO 18: 2528
- Yasuda, Ichiji**
- ; Yamagata, Sekiji: Stress distribution measurement in oscillating quartz crystals by means of a laser probe beam (A), JOSA 66: 385
- Yasugi, T.** See Nishida, M., JOSA 67: 709
- Yasuhira, T.**
- ; Mitsuhashi, Y.; Morikawa, T.; Shimada, J.; Kamijo, T.: Electrically accessible Lippmann hologram memory (E), AO 16: 2532
- Yatagai, Toyohiko.** See Idesawa, Masanori, AO 16: 2152
- ; Saito, Hiroyoshi: Interferometric testing with computer-generated holograms: aberration balancing method and error analysis (TE), AO 17: 558
- Stereoscopic approach to 3-D display using computer-generated holograms (T), AO 15: 2722
- Yater, Joseph C.**
- Space reflectors for radar and astronomy (TE), AO 14: 526
- Yates, B.** See Sargent, J. P., AO 17: 682
- Yates, Douglas A.** See Sapp, Edwin, AO 14: 2565
- Yates, Harold W.**
- Atmospheric optics, Rochester, 11 Oct 1973 (M), JOSA 64: 408
- Measurement of the earth radiation balance as an instrument design problem (E), AO 16: 297
- Yates, J. Terry.** See Harding, Thomas H., JOSA 66: 131
- Yatsenko, Yu. P.** See Isaev, S. K., JOSA 68: 1621
- Yatsiv, S.**
- ; Gabai, A.; Degani, J.: Internal photodissociative excitation of  $HgBr$  by VUV emission of mercury (A), JOSA 68: 718
- Yazaki, T.**
- ; Imai, T.; Kishi, Y.: Photosensitive characteristics of the optical information storage element using  $M$  centers in  $NaF$  crystals (E), AO 17: 3391
- Yee, K. K.**
- ; Young, L.: Ellipsometric investigation of quadratic electrooptic and electrostrictive effects with anodic niobium pentoxide films (ET), AO 14: 1316
- Yee, S. S.** See Wang, T. T., AO 18: 2354
- Yee, T. K.**
- ; Fan, B.; Gustafson, T. K.: Simmer-enhanced flashlamp-pumped dye laser (E) (L), AO 18: 1131
- ; Fan, B.; Gustafson, T. K.: Simmer-enhanced flashlamp-pumped dye laser (errata), AO 18: 2542
- Yeh, Cavour.** See Barber, Peter W., AO 14: 2864; Casperson, Lee W., JOSA 66: 1135, AO 16: 1104, AO 17: 1637; Colak, S., AO 18: 294; Elachi, Charles, AO 13: 1372, JOSA 65: 404; Pearson, James E., JOSA 66: 1384
- ; Manshadi, F.; Casey, K. F.; Johnston, Alan R.: Accuracy of directional coupler theory in fiber or integrated optics applications (T), JOSA 68: 1079
- ; Lindgren, G.: Computing the propagation characteristics of radially stratified fibers: an efficient method (T), AO 16: 483
- ; Pearson, James E.; Brown, W. P., Jr.: Enhanced focal-plane irradiance in the presence of thermal blooming (ET), AO 15: 2913
- ; Brown, W. P., Jr.; Szejn, R. M.: Multimode inhomogeneous fiber couplers (T), AO 18: 1196



- ; Casperson, Lee W.; Szejn, B.: Propagation of truncated Gaussian beams in multimode fiber guides (T), JOSA 68: 989
- ; Ha, K.; Dong, S. B.; Brown, W. P., Jr.: Single-mode optical waveguides (T), AO 18: 1490
- Yeh, J. J.** See Zubairy, M. S., JOSA 69: 1414
- Yeh, K. C.** See Liu, C. H., JOSA 68: 540, JOSA 67: 1261
- Yeh, Pochi.** See Shellan, Jeffrey B., OL 2: 136, JOSA 68: 18; Yariv, Amnon, JOSA 67: 438
- Electromagnetic propagation in birefringent layered media (T), JOSA 69: 742
- ; Yariv, Amnon; Hong, Chi-Shain: Electromagnetic propagation in periodic stratified media. I. General theory (T), JOSA 67: 423
- Electro-optically induced transmission (A), JOSA 69: 1483
- ; Tracy, John: Multilayer narrowband electro-optical tunable filter (A), JOSA 68: 1449
- New optical phenomena in birefringent layered media (A), JOSA 68: 1423
- ; Yariv, Amnon; Marom, Emanuel: Theory of Bragg fiber (T), JOSA 68: 1196
- Yeh, Y. C.**
- ; Stafsudd, Oscar M.: Power dependence of reflectivity of metallic films (TE), AO 15: 127
- Yekutieli, G.** See Kritchman, E. M., AO 18: 2688
- Yellin, Martin.** See Grosso, Ronald P., JOSA 67: 399
- Efficient wavefront sensor for compensated imaging (A), JOSA 65: 1211
- Yen, H. W.**
- ; Yariv, Amnon; Ng, W.: Optically pumped GaAs waveguide lasers with Bragg reflectors (A), JOSA 66: 291
- Yen, R.** See Liu, P. L., AO 18: 600, AO 18: 1015
- Yen, Rainfield Y.** See Teich, Malvin Carl, AO 14: 666, AO 14: 680
- Yen, San Ho.** See Ramanathan, K. G., JOSA 67: 251, AO 16: 2810, JOSA 67: 32; Roger, C. R., JOSA 69: 1384
- Yen, W. M.** See Broer, M. M., OL 3: 175; Egbert, W. C., AO 15: 1158; Flach, R., AO 13: 2095; Quimby, R. S., JOSA 68: 1388, OL 3: 181, AO 16: 2630; Selzer, P. M., OL 1: 90
- Lasers and Excited States of Rare Earths. By R. Reisfeld and C. K. Joergensen (B), JOSA 69: 920
- ; Egbert, W. C.; Selzer, P. M.: Pulsed dye laser applied to magnetic-circular-dichroism measurements (A), JOSA 65: 1210
- Yeung, K. F.** See Weber, W. H., AO 13: 1431
- Yeung, Wing F.** See Casperson, Lee W., JOSA 66: 1135, AO 16: 1104
- ; Johnston, Alan R.: Effect of temperature on optical fiber transmission (E) (L), AO 17: 3703
- Yin, Peter K. L.** See Watson, James K. G., AO 14: 549
- Yip, Gar Lam.** See Miyagi, Mitsunobu, JOSA 67: 1372; Nemoto, S., JOSA 64: 526, AO 14: 1543, AO 15: 317, AO 16: 705, AO 17: 57; Safaai-Jazi, A., JOSA 67: 1372; Wanchoo, S., JOSA 67: 1445
- ; Martucci, J.: Scattering from a localized inhomogeneity in a clad fiber optical waveguide. 1: Radiation loss (T), AO 15: 2131
- Yoder, P. R., Jr.**
- ; Schlesinger, E. R.; Chickvary, J. L.: Active annular-beam laser autocollimator system (E), AO 14: 1890
- Yoder, Robert.** See Masterson, Keith D., JOSA 64: 1384
- Yogev, A.** See Benmair, R. M. J., JOSA 68: 1640
- Yokley, Charles R.** See Kostkowski, Henry J., JOSA 69: 1401
- Yokota, K.** See Hamasaki, Joji, AO 17: 3125, AO 18: 4099
- Yokota, S.** See Matsushita, Tatsuhiko, JOSA 66: 1069
- Yokozawa, Minoru**
- ; Matsuzaki, Hideomi; Kamegaya, Takeo; Nakajima, Masahide: Grottrian charts for atoms and ions of rare gases (ET) (L), JOSA 64: 798
- Yokozeki, Shunsuke.** See Patorski, Krzysztof, AO 15: 1234
- ; Kusaka, Y.; Patorski, Krzysztof: Geometric parameters of moire fringes (TE), AO 15: 2223
- ; Kuroda, Muneco: Intermodulation spatial-bandwidth-reduction method in offset-reference holography (TE), JOSA 65: 1007
- ; Patorski, Krzysztof: Moire fringe profile prediction method and its application to fringe sharpening (TE), AO 17: 2541
- ; Mihara, S.: Moire interferometry (ET), AO 18: 1275
- ; Ohnishi, Kazuo: Spherical aberration measurement with shearing interferometer using Fourier imaging and moire method (ET), AO 14: 623
- Yoldas, B. E.**
- ; O'Keeffe, T. W.: Antireflective coatings applied from metal-organic derived liquid precursors (E), AO 18: 3133
- Yonas, G.**
- Electron and ion beam inertial confinement fusion in the United States (A), JOSA 68: 545
- Yonehara, Akifumi.** See Kato, Isamu, JOSA 69: 175
- Yoneji, S.** See Uchida, Naoya, JOSA 67: 707
- Yonemura, Motoki.** See Nishisaka, Tsuyoshi, JOSA 68: 1382
- Yoneyama, Masahide.** See Fujimoto, Jun'ichiro, AO 16: 811
- Linear recording condition in multirecording telecine system (T), AO 13: 2040
- York, G.** See Ganley, T., JOSA 68: 543
- Yoshida, K.** See Kato, Yoshiaki, JOSA 68: 542
- Yoshida, M.** See Uchida, Naoya, JOSA 67: 707
- Yoshida, Sadafumi.** See Yamaguchi, Tomuo, JOSA 64: 1563
- Efficiency of Drude mirror-type selective transparent filters for solar thermal conversion (E), AO 17: 145
- Yoshikawa, S.** See Kishida, S., JOSA 68: 631
- Yoshikiyo, Haruo.** See Ikeda, Masahiro, AO 14: 814, AO 15: 1307
- Yoshimura, Takeaki**
- ; Hara, Kenji; Wakabayashi, Nobuo: Modified-triggered photocounting and its application to optical superheterodyne spectrum analysis (T), AO 18: 3962
- ; Nakajima, Toshiro; Wakabayashi, Nobuo: Optical superheterodyne spectrum analyzer with a triggered photon counting method (T) (L), AO 18: 2094
- Yoshinaga, Hiroshi**
- Methods of Experimental Physics, Volume 12: Astrophysics, Part A: Optical and Infrared. Edited by N. Carleton (B), AO 14: 1238
- Yoshino, Kouichi**
- ; Tanaka, Yoshio: Absorption spectrum of krypton in the vacuum UV region (E), JOSA 69: 159
- Yoshino, Yoichi**
- ; Takasaki, Hiroshi: Doubling and visibility enhancement of moire fringes of the summation type (E) (L), AO 15: 1124
- ; Tsukiji, M.; Takasaki, Hiroshi: Moire topography by means of a grating hologram (ET), AO 15: 2414
- Yoshiwa, T.** See Tanemura, S., JOSA 67: 251
- Youmans, B. R.** See Yao, S. K., AO 18: 4067
- Youmans, Douglas G.** See Hackel, L. A., JOSA 64: 529, JOSA 64: 1387; Mamon, Glenn, AO 16: 16, AO 17: 868
- Young, Andrew T.**
- Intensity Interferometer: Its Application to Astronomy. By R. Hanbury Brown (B), JOSA 65: 1387
- Line shifts due to blending (T), JOSA 68: 246
- Young, B. G.** See Brown, R. J., AO 14: 2927
- Young, Charles.** See Shafer, J. Howard, AO 15: 2551
- ; Bunner, R. H. L.: Absorption of carbon dioxide 9.4- $\mu$ m laser radiation by ozone (E), AO 13: 1438
- Young, E.** See Herman, R. M., AO 17: 520
- Young, J. F.** See Falcone, R. W., JOSA 68: 1422, OL 3: 162; Green, W. R., JOSA 68: 1422, OL 4: 265; Harris, S. E., JOSA 64: 556, JOSA 66: 1116, JOSA 68: 675, JOSA 69: 1397; Jarrett, Steven M., JOSA 68: 634, OL 4: 176; Newton, J. H., JOSA 67: 1395, JOSA 68: 1378; White, J. C., JOSA 68: 1422, OL 4: 137
- Young, J. P.** See Kramer, S. D., JOSA 68: 657, OL 3: 16
- Young, L.** See Cornish, W. D., AO 15: 1258; Moharam, M. G., AO 17: 1757, AO 17: 2773; Yee, K. K., AO 14: 1316
- Young, Louise D. Gray.** See Rothman, L. S., AO 17: 507
- Carbon dioxide absorption bands in the atmosphere of Venus (A), JOSA 64: 1391
- Excited States, Volume 1. Edited by Edward C. Lim (B), JOSA 64: 1727
- Handbook of Flame Spectroscopy. By M. L. Parsons, B. W. Smith, and G. E. Bentley (B), JOSA 66: 980
- Molecular Spectroscopy. By Ira N. Levine (B), JOSA 65: 1389
- Spectroscopic Data, Volume 2, Homonuclear Diatomic Molecules. Edited by S. N. Suchard and J. E. Meizer (B), JOSA 67: 985
- Theory of Rotating Diatomic Molecules. By Masataka Mizushima (B), JOSA 66: 980
- Young, Matt.** See Lawton, R. A., AO 16: 2703
- Almost All About Waves. By John R. Pierce (B), JOSA 64: 1729
- Continuous-wave (mode-locked) dye laser with unfolded cavity (E) (L), AO 18: 3212
- ; Hicks, A.: Holographic ruby laser with long coherence and precise timing (E), AO 13: 2486
- Introduction to Applied Optics for Engineers. By F. Paul Carlson (B), JOSA 67: 1289
- Linear Systems, Fourier Transforms, and Optics. Jack D. Gaskill (B), JOSA 69: 637
- Physics of Quantum Electronics, Volume 4, Laser Photochemistry, Tunable Lasers, and Other Topics. Edited by Stephen F. Jacobs, Marlan O. Scully, Murray Sargent III, and Charles F. Walker (B), JOSA 67: 849
- Progress in Optics, Vol. 14. Edited by Emil Wolf (B), JOSA 67: 1132
- Progress in Optics, Vol. 15. Edited by Emil Wolf (B), JOSA 69: 371
- ; Lawton, R. A.: Saturation of optical detectors at high modulation frequency (A), JOSA 67: 1398
- ; Lawton, R. A.: Saturation of silicon photodiodes at high modulation frequency (E), AO 17: 1103
- Solar energy: the physics of the greenhouse effect (T), AO 14: 1503
- Young, Ralph H.**
- Validity of the Kramers-Kronig transformation used in reflection spectroscopy (T), JOSA 67: 520
- Young, Rockefeller S. L.**
- ; Cole, Robert E.; Diamond, A. Leonard: Effects of steady inducer and test duration on threshold (E), JOSA 64: 1145
- ; Alpern, Mathew: Heterochromatic brightness matching by pupillometry and by flicker photometry (A), JOSA 66: 1103
- ; Fishman, Gerald A.: Patient with cortical colorblindness (A), JOSA 69: 1421
- Young, Stephen J.**
- Diffuse reflectance of clouds: a semiempirical model (T) (L), AO 18: 1881
- Young, W. A.**
- ; Mirza, M. Y.; Duley, W. W.: Multiphoton ionization spectra of Li vapor (A), JOSA 69: 1410
- Young, W. C.** See Runge, P. K., JOSA 67: 708
- Young, William R.** See Snyder, Allan W., JOSA 68: 297
- Yu, Chen Cheng**
- ; Barker, Richard C.: Laser-induced damage in electro-optical crystals (A), JOSA 67: 1443
- Multiple internal reflections within birefringent crystals (A), JOSA 68: 1405
- ; Barker, Richard C.: Simultaneous measurement of linear and circular birefringence in crystals (A), JOSA 65: 1168
- Yu, Francis T. S.** See Chao, T. H., JOSA 69: 1417; Chen, Hsuan, JOSA 68: 1443, OL 2: 85, AO 17: 1490; Cheng, Thomas, JOSA 67: 1422; Dymek, M. S., JOSA 69: 1417; Tai, Anthony M., JOSA 65: 1196, JOSA 66: 1131, JOSA 67: 1381, JOSA 68: 1415, JOSA 68: 1443, OL 3: 190, AO 16: 1371, AO 16: 2559, AO 17: 2450, AO 18: 6, AO 18: 460, AO 18: 1297, AO 18: 2541
- ; Barnard, R. D.: Generalized sampling criteria in image synthesis (A), JOSA 64: 560
- ; Tai, Anthony M.: Incoherent image addition and subtraction: a technique (T), AO 18: 2705
- ; Tai, Anthony M.: Information leakage through a passive optical channel (A), JOSA 64: 560
- ; Tai, Anthony M.: Modulation-detection holographic image contouring (A), JOSA 64: 1395
- ; Chao, T. H.; Dymek, M. S.: Multislit spatial filtered pseudocolor holographic imaging (A), JOSA 69: 1415
- ; Tai, Anthony M.; Chen, Hsuan: Multiwavelength rainbow holographic interferometry (E), AO 18: 212
- Phase holograms and the action of bleaching: comments (TE) (L), AO 16: 1802
- Pseudocolor encoding of holographic imaging (ET), OL 3: 57
- Restoration of a smeared photographic image by incoherent optical processing (T), AO 17: 3571



- ; Tai, Anthony M.; Chen, Hsuan: Spatial filtered pseudocolor holographic imaging (A), JOSA 68: 1415
- ; Tai, Anthony M.: Technique of incoherent optical processing (A), JOSA 68: 1414
- Temporal coherence length and speckle: a simultaneous approach to those problems in holography; comment (E) (L), AO 15: 1680
- Yu, M. H. See Campbell, J. D., JOSA 68: 639, JOSA 68: 640
- Yue, Glenn K. See Deepak, Adarsh, JOSA 69: 1413
- ; Deepak, Adarsh: Modeling of coagulation-sedimentation effects on transmission of visible/IR laser beams in aerosol media (T), AO 18: 3918
- Yue, O. C. See Tricoles, G., JOSA 64: 563
- Yuen, Horace P.
- ; Shapiro, Jeffrey H.: Generation and detection of two-photon coherent states in degenerate four-wave mixing (T), OL 4: 334
- Yuen, S. See Weiss, R. E., JOSA 67: 260
- Yukon, Stanford P. See Bendow, Bernard, JOSA 67: 253, AO 16: 2909; Tzoar, Narkia, JOSA 68: 1359
- ; Bendow, Bernard: Analog image transmission in optical waveguides (T), OL 2: 75
- ; Bendow, Bernard: Spatially coherent transmission in optical waveguides (A), JOSA 68: 1360
- Yule, John A. C. See Pearson, Milton, JOSA 65: 323
- Yung, Yuk L.
- Variational principle for scattering of light by dielectric particles (T) (L), AO 17: 3707
- Yura, Harold T. See Clifford, S. F., JOSA 64: 1641; Lutomirski, Richard F., AO 13: 431; Tavis, M. T., AO 15: 2922
- Elementary derivation of phase fluctuations of an optical wave in the atmosphere (A), JOSA 66: 1061
- Irradiance fluctuations of a spherical wave propagating under saturation conditions (T), JOSA 64: 1526
- Multiple scattering analysis of the propagation of radiance through the atmosphere (A), JOSA 67: 1376
- Optical heterodyne signal power obtained from finite sized sources of radiation (T), AO 13: 150
- Physical model for optical propagation in random media (A), JOSA 68: 540
- Physical model for strong optical-amplitude fluctuations in a turbulent medium (T), JOSA 64: 59
- Supersaturation: effect of a high-frequency cutoff on strong optical-scintillation measurements (T), JOSA 64: 1211
- Temporal-frequency spectrum of an optical wave propagating under saturation conditions (T), JOSA 64: 357
- Zacharias, H. See Wallenstein, R., JOSA 68: 677
- Zachor, Alexander S.
- Aureole radiance field about a source in a scattering-absorbing medium (T), AO 17: 1911
- ; Aaronson, Steve M.: Delay compensation: its effect in reducing sampling errors in Fourier spectroscopy (T), AO 18: 68
- Drive nonlinearities: their effects in Fourier spectroscopy (T), AO 16: 1412
- Scan nonlinearities in a continuous-scan Michelson interferometer (A), JOSA 66: 1093
- Zaganiaris, Alcibiades
- ; Alard, F.: Opto-mechanical properties of fibers (A), JOSA 67: 707
- Simultaneous measurement of absorption and scattering losses in bulk glass and optical fibers using a new microcalorimetric method (A), JOSA 64: 1366
- Zaghloul, A.-R. M. See Azzam, R. M. A., JOSA 65: 252, JOSA 65: 1464, JOSA 65: 1472, JOSA 67: 1058
- ; Azzam, R. M. A.: Constant- $\psi$  constant- $\delta$  contour maps: applications to ellipsometry and to film-substrate reflection devices (A), JOSA 69: 1439
- ; Azzam, R. M. A.; Bashara, N. M.: Design of film-substrate single-reflection retarders (TE), JOSA 65: 1049
- Modified O Brvan ellipsometer (A), JOSA 67: 1430
- ; Azzam, R. M. A.: Single-element rotating-polarizer ellipsometer for film-substrate systems (L), JOSA 67: 1286
- ; Azzam, R. M. A.: SiO<sub>2</sub>-Si film—substrate reflection polarizers for different mercury spectral lines (T) (L), AO 16: 1488
- Zahavi, E.
- Stochastic approximation to multiple scattering in clouds (T), AO 18: 1627
- Zajac, Marek. See Pietraszkiewicz, Kazimierz, JOSA 69: 628
- Zak, B. D.
- ; Chang, Byung Jin; Hadeishi, T.: Current-controlled phase retardation plate (E), AO 14: 1217
- Zakman, Zdravko M.
- ; Collins, Stuart A., Jr.; Gerlach, Ulrich H.: Multiple stable levels in a liquid crystal light valve using optical feedback (A), JOSA 69: 1422
- Zaleckas, Vincent J. See Raamot, J., AO 13: 1179
- Laser applications in microelectronics (A), JOSA 66: 380
- Zalewski, Edward F. See Keller, Richard A., JOSA 69: 738; Lind, Michael A., AO 15: 1377; Mohan, Kshiti, JOSA 64: 1405, AO 14: 1035
- ; Velapoldi, R.; Demas, J.; Bowman, W.: Accurate radiometric basis for chemical actinometry (A), JOSA 66: 1080
- ; Lind, Michael A.; Schaefer, A. Russell: Characterization of silicon photodetectors based on an electrically calibrated pyroelectric radiometer (A), JOSA 65: 1179
- ; Keller, Richard A.; Engleman, Rolf, Jr.: Laser-induced impedance changes in a neon hollow cathode discharge (A), JOSA 68: 1389
- ; Geist, Jon: Solar cell spectral response characterization (E), AO 18: 3942
- Status of detector response transfer capabilities and implications regarding accurate photometry (A), JOSA 68: 1441
- Zalubas, R.
- ; Reader, Joseph; Corliss, Charles H.:  $4s^2 4p^4$ – $4s 4p^5$  transitions in five-times-ionized yttrium (YvI) (TE), JOSA 66: 35
- Zambuto, Mauro. See Hanafy, Amin, JOSA 65: 1186
- Zammit, R. E.
- ; Swegle, J. A.: Compatible color 3-D TV system: a proposed design (T) (L), AO 18: 584
- Zammit, A. See DeMartini, F., JOSA 68: 662
- Zanella, Giovanni
- ; Vascon, Mario: Imaging coding in variable phenomena using a vidicon system on line with a minicomputer (E) (L), AO 17: 982
- ; Vascon, Mario: Picture coding possibility without point by point sampling (ET), AO 16: 3143
- Zaneveld, J. Ronald V. See Spinrad, Richard W., AO 17: 1125
- Zaniewski, J. J. See Herzog, H., AO 17: 3031
- Zanini, Margherita
- ; Tauc, Jan: Anomalous light scattering in liquid sulfur at the polymerization transition (E), AO 15: 3149
- Zanker, Adam
- Nomograph for the calculation of the index of refraction of a prism (T) (L), AO 13: 2449
- Zanoni, C. A. See Oleson, J. R., AO 13: 206
- Zanzucchi, P. J.
- ; Duffy, Michael T.: Surface damage and the optical reflectance of single-crystal silicon (E), AO 17: 3477
- Zar, Jacob. See Hoag, Ethan D., AO 13: 1959
- Zardecki, Andrzej. See Baribeau, Rejean, JOSA 68: 1453; Chrostowski, Jacek, JOSA 68: 1421; Tam, W. G., JOSA 67: 1376, JOSA 69: 1439
- ; Baribeau, Rejean: Coherence of super-radiant pulses in semiclassical radiation theory (A), JOSA 66: 1076
- ; Tam, W. G.: Iterative model of multiple scattering in fogs (A), JOSA 68: 1357
- Zare, M. See Durst, F., AO 13: 2562
- Zaroslav, D. Yu.
- ; Karlov, N. V.; Kuzmin, G. P.; McKen, D.; Nikiforov, S. M.; Prokhorov, A. M.: Use of the gliding discharge for preionization of the pulsed gas discharge lasers (A), JOSA 68: 669
- Zavada, J. M. See Church, E. L., JOSA 64: 547, JOSA 64: 1404, JOSA 66: 1136, JOSA 67: 254, AO 14: 1788
- ; Church, E. L.; Kritikos, H. N.: Excitation of electromagnetic surface waves by a Gaussian beam striking a shallow grating (A), JOSA 66: 1116
- Zawadzdas, Gerald A. See Chous, Mau-Song, JOSA 68: 548
- Zdasiuk, G. A. See Kato, Yoshiaki, JOSA 65: 995; White, J. C., JOSA 68: 1422, OL 4: 137
- Zech, R. G. See Reddersen, B. R., JOSA 66: 1123, JOSA 67: 1382
- Angular orientation sensitivity of volume holograms (A), JOSA 65: 1219
- ; Roberts, H. N.: Design considerations for large on-line optical mass memories (A), JOSA 68: 1362
- Incoherent superposition in volume phase holograms (A), JOSA 64: 1396
- Laser recording at Harris Corporation (A), JOSA 67: 1403
- ; Ralston, L. M.; Reddersen, B. R.; Holmes, J. E.: Optical storage and retrieval of cartographic information (A), JOSA 66: 1063
- ; Dirks, J. F.; Ralston, L. M.: Transparent electrophotographic films for optical data storage applications (E), AO 16: 1642
- Zeevi, Yehoshua Y. See Stromeyer, Charles F., III, JOSA 68: 1002, JOSA 69: 1350
- ; Stark, L.; Peli, Eli: Eccentric fixation with secondary visual feedback (E), JOSA 69: 669
- ; Mangoubi, Sami S.: Exploring vernier acuity with noisy lines (A), JOSA 69: 1433
- ; Peli, Eli: Latency of peripheral saccades (E), JOSA 69: 1274
- ; Mangoubi, Sami S.: Noise suppression in photoreceptors and its relevance to incremental intensity thresholds (T), JOSA 68: 1772
- Zehnpfennig, T. F.
- ; Shepherd, O.; Rappaport, S.; Reidy, W. P.; Vanasse, George A.: Background suppression in double-beam interferometry (ET), AO 18: 1996
- Zeidler, James R.
- ; Kohles, R. B.; Bashara, N. M.: Beam deviation errors in ellipsometric measurements; an analysis (E), AO 13: 1938
- ; Kohles, R. B.; Bashara, N. M.: High precision alignment procedure for an ellipsometer (E), AO 13: 1115
- ; Kohles, R. B.; Bashara, N. M.: Sensitivity of the ellipsometric parameters to angle-of-incidence variations (T), AO 13: 1591
- Zeigner, V. L. See Stratton, T. F., JOSA 68: 543; Sweatt, William C., JOSA 68: 1374
- Zelazny, S. W. See Baumann, W., AO 13: 2823
- ; Blauer, J. A.; Wood, L.; Sentman, L. H.; Solomon, W. C.: Transfer chemical laser: modeling of a cw DF-CO<sub>2</sub> laser (TE), AO 15: 1164
- Zel'dovich, B. Ya. See Baranova, N. B., OL 3: 1; Shkunov, V. V., AO 18: 3633; Vinogradov, A. V., AO 16: 89
- Zelenka, Jerry S.
- Comparison of continuous and discrete mixed-integration processors (A), JOSA 66: 179
- Comparison of continuous and discrete mixed-integrator processors (T), JOSA 66: 1295
- Zembutsu, Sakae. See Noda, Juichi, AO 17: 1953
- ; Toyoshima, Yoshio; Igo, Takeo; Nagai, Haruo: Properties of (Se,S)-based chalcogenide glass films, and an application to a holographic supermicrofiche (E), AO 14: 3073
- ; Fukunishi, Shuzo: Waveguiding properties of (Se,S)-based chalcogenide glass films and some applications to optical waveguide devices (E), AO 18: 393
- Zemel, Jay N. See Keneman, Scott A., JOSA 68: 32
- Zemon, S.
- ; Fellows, D.: Bound leaky modes in optical fibers (A), JOSA 65: 1213
- ; Fellows, D.; Sturk, P.: Eccentric coupler for optical fibers: a simplified version (E) (L), AO 14: 815
- ; Fellows, D.: Tunneling leaky modes in a parabolic index fiber (ET), AO 15: 1936
- Zernike, Frits. See Monchalin, J.-P., OL 1: 5, OL 1: 140
- Introduction to Nonlinear Optics. By G. C. Baldwin (B), AO 14: 1237
- Second harmonic generation in composite waveguides (A), JOSA 66: 291
- Zerull, R. H.
- ; Giese, R. H.; Weiss, K.: Scattering functions of nonspherical dielectric and absorbing particles vs Mie theory (E) (L), AO 16: 777
- ; Weiss, K.: Scattering properties of irregular dielectric and absorbing particles (A), JOSA 67: 257



- Zewail, A. H.** See Batchelder, J. S., AO 18: 3090;  
Swartz, B. A., OL 1: 73  
Coherent transients by laser-acoustical  
diffraction spectroscopy (A), JOSA 68: 696
- Zhabotinski, M. E.** See Grigoryants, V. V.,  
JOSA 67: 709
- Zhizhin, G. N.** See Balashov, A. A., AO 17: 1716
- Zhuzhukalo, E. V.** See Burdonsky, J. N., AO 15:  
1450
- Ziajka, Paul E.** See Davidson, Joseph, AO 17:  
1481
- Zieske, P. L.** See Miller, M. G., JOSA 66: 1067,  
JOSA 67: 1680
- Zigler, A.** See Arad, B., JOSA 68: 544; Spector,  
Nissan, JOSA 68: 1389
- Zimmerman, Eugene L.** See Montgomery, M.  
D., JOSA 68: 543; Singer, Sidney, JOSA 68:  
542
- Zimmerman, G.**  
—; Kershaw, D.; Bailey, D.; Harte, J.: LASNEX  
code for inertial confinement fusion (A),  
JOSA 68: 549
- Zimmerman, J.**  
—; Aschkenasi, E.; Beaulieu, M.: Determination  
of the precision of an interferometric test of  
a 1.8-m-diam paraboloidal mirror (A), JOSA  
64: 1369  
—; Knox, W.; Seka, W.: Oscillators for  
phosphor glass laser system (A), JOSA 68:  
542
- Zimmerman, Myron L.** See Ducas, Theodore  
W., JOSA 65: 1163
- Zino, J. D.** See Hall, D. G., OL 4: 292
- Zinth, W.** See Laubereau, A., JOSA 68: 680
- Zipoy, David M.** See A'Hearn, Michael F., AO  
13: 1147  
Fabry-Perot inversion algorithm (T), AO 18:  
1988
- Zissis, George J.**  
Self-Study Manual on Optical Radiation  
Measurements: Part 1—Concepts, Chapters  
1 to 3. Edited by Fred E. Nicodemus (B),  
JOSA 67: 127
- Zmora, H.** See Arad, B., JOSA 68: 544; Spector,  
Nissan, JOSA 68: 1389
- Znotins, T. A.**  
—; Taylor, R. S.; Garside, B. K.; Ballik, E. A.:  
Dynamic characteristics of high-pressure  
SF<sub>6</sub> absorption near 10.6  $\mu$ m (A), JOSA 67:  
1441  
—; Reid, John; Garside, B. K.; Ballik, E. A.:  
4.3- $\mu$ m TE CO<sub>2</sub> laser (E), OL 4: 253
- Zogg, Jodie A.**  
—; Marshall, Joseph H.; Soonpaa, Henn H.:  
Classical oscillator analysis on thin crystals  
of Bi<sub>2</sub>Te<sub>3</sub>S<sub>5</sub> (T), JOSA 66: 996
- Zolin, V. F.** See Grigoryants, V. V., JOSA 67:  
709
- Zollweg, R. J.**  
Gaseous electronics, 28th annual conference,  
Rolla, 21-24 Oct 1975 (M), AO 15: 300
- Zolotov, E. M.**  
—; Kiselyov, V. A.; Prokhorov, A. M.;  
Shcherbakov, E. A.: Determination of  
characteristics of diffused optical  
waveguides (A), JOSA 66: 288
- Zook, J. David.** See Chen, D., JOSA 66: 1102  
Detection of Optical and Infrared Radiation.  
By R. H. Kingston (B), AO 18: A180  
Light beam deflector performance: a  
comparative analysis (T), AO 13: 875
- Zorabedian, Paul.** See Salcedo, Jose, JOSA 66:  
1074
- Zory, P.**  
Corrugated grating coupled devices and  
coupling coefficients (A), JOSA 66: 291
- Zrenner, Eberhart.** See Gouras, Peter, JOSA  
69: 1420
- Zschauer, K. H.** See Lengyel, G., JOSA 67:  
1424; Wolf, H. D., JOSA 67: 1424
- Zubairy, M. S.** See Foley, John T., JOSA 68:  
1410; Roy, R., JOSA 69: 1422  
—; Yeh, J. J.: Photon statistics in multiphoton  
absorption process (A), JOSA 69: 1414
- ; Singh, Surendra: Quantum theory of a  
two-mode laser (A), JOSA 69: 1430  
Radiative energy transfer in a randomly  
fluctuating medium (A), JOSA 68: 1420
- Zuccaro, D.** See Rudisill, J. Earl, JOSA 69: 1438
- Zuclich, Joseph A.**  
—; Taboada, J.: Ocular hazard from UV laser  
exhibiting self-mode-locking (E) (L), AO 17:  
1482  
—; Connolly, John S.: Ocular hazards of  
near-UV laser radiation (A), JOSA 66: 79
- Zuev, V. E.** See Antipov, A. B., AO 18: 3014
- ; Vorevodin, Yu. M.; Matvienko, G. G.;  
Samokhvalov, I. V.: Investigation of  
structure and dynamics of aerosol  
inhomogeneities in the ground layer of the  
atmosphere (E), AO 16: 2231
- Zupko, H. M.** See Wang, T. T., JOSA 67: 706
- Zurasky, James L.**  
Cube corner retroreflector test and analysis  
(ET), AO 15: 445
- Zweig, Hans J.**  
—; Barrett, Eamon B.; Hu, Patrick C.:  
Comparison of "noise cheating" and Wiener  
filtering (A), JOSA 65: 1203  
—; Silvestri, A.; Hu, Patrick C.; Barrett, Eamon  
B.: Experiments in digital restoration of  
defocused grainy photographs by noise  
cheating and Fourier techniques (A), JOSA  
66: 167  
—; Barrett, Eamon B.: Noise cheating image  
enhancement (A), JOSA 64: 1378  
—; Barrett, Eamon B.; Hu, Patrick C.:  
Noise-cheating image enhancement (TE),  
JOSA 65: 1347
- Zweigenbaum, S.** See Arad, B., JOSA 68: 544
- Zwernemann, Steven M.**  
—; Becker, Michael F.: Enhancement of third  
harmonic generation in metal-dielectric  
waveguides (TE), AO 18: 728
- Zwick, H. H.** See Ward, T. V., AO 14: 2896
- Zwicker, H. R.** See O'Neil, R. W., JOSA 65:  
1191
- Zych, L. J.** See Harris, S. E., JOSA 68: 675



# OPTICS INDEX

## Alphabetical Listing of Subject Headings

- Aberrations**
- Absorption**
- Acoustic surface waves**  
See also Integrated optics
- Acoustics**
- Acoustooptics**  
See also Photoacoustics
- Actinides**  
See also Spectroscopy, atomic
- Active optics**  
See Adaptive optics
- Adaptive optics**  
See also Phase conjugation
- Aerosols**  
See also Atmospheric optics, Particles
- Airglow**  
See Atmospheric optics
- Air pollution**  
See Pollution
- Alignment**
- Aluminum**
- Ammonia**
- Amplifiers**
- Anemometry**  
See also Velocimetry, laser Doppler
- Antimony**
- Apertures**  
See also Synthetic apertures
- Apertures, coded**
- Apertures, synthetic**
- Apodization**
- Apollo**  
See also Space entries
- Archimedes**
- Arca**
- Argon**
- Arsenic**
- Aspherics**
- Astronomy**  
See also specific instruments or topics
- Astrophysics**  
See also Astronomy
- ASW**  
See Acoustic surface waves
- Atmospheres**
- Atmospheric optics**  
See also Radiation transfer, Scattering, Turbulence, Visibility
- Atoms**
- Attenuated total reflection (ATR)**
- Attenuation**
- Attenuators**
- Aurora**
- Awards**  
See also Optical Society of America
- Axicons**
- Balloons**
- Barium**
- Beams**  
See also Lasers
- Beam splitters**
- Beryllium**
- Biographical notes**  
See also History
- Biology**
- Birefringence**
- Bismuth**
- Biatability**
- Blackbodies**
- Bolometers**
- Books reviewed**
- Boron**
- Bromine**
- Cadmium**
- Cadmium telluride**
- CAI, coded aperture imaging**  
See Apertures, Apertures coded, Cameras, Image formation
- Calcium**
- Calorimetry**
- Cameras**
- Carbon**
- Carbon dioxide**  
See also Lasers
- Carbon monoxide**  
See also Lasers
- CARS coherent anti-Stokes Raman spectroscopy**  
See Spectroscopy, Raman
- Cavities**
- Cells**
- Ceramics**
- Cesium**
- Character recognition**  
See also Pattern recognition
- Chemistry**
- Chlorine**
- Choppers**
- Chromium**
- CLEA, Conference on Laser Engineering and Applications**
- Climate**
- Clouds**
- COAT, coherent optical adaptive techniques**  
See Adaptive optics
- Coatings**  
See also Filters, Thin films
- Cobalt**
- Coded apertures**  
See Apertures, Image formation, Image processing
- Coherence**  
See also Quantum optics, Speckle patterns
- Collimators**
- Color**
- Colorimetry**
- Color measurement**
- Color reproduction**
- Color vision**
- Color vision, adaptation**
- Color vision, discrimination**
- Color vision, physiology**
- Color vision, psychophysics**
- Communication optics**  
See Optical communications
- Communication theory**
- Computers**
- Conductivity**
- Conferences**  
See journal annual indexes
- Constants**  
See also Optical constants
- Copernicus**  
See also History
- Copiers**
- Copper**
- Copyright**
- Coronagraphs**
- Correlation**  
See also Speckle patterns
- Correlators**
- Couplers**  
See also Fiber optics
- Courses, clinics, institutes, summer schools, workshops**  
See Meeting and short course announcements in annual volume indexes
- Crystals**
- Crystals, liquid**
- Curium**
- Cyclotron resonance**
- Damage**  
See also Laser damage
- Data processing**  
See also Information processing, Optical processing, Signal processing
- Data storage**  
See also Information storage
- Deflectors**
- Densitometers**
- Detection**
- Detectors**  
See also individual types
- Dichroism**
- Dielectrics**
- Diffraction**  
See also Gratings
- Diffusers**
- Diodes**
- Dispersion**
- Displays**  
See also information categories and Crystals, liquid
- Doppler effect**  
See also Velocimetry, laser Doppler
- Draper, John William**
- Dysprosium**
- Echelles**  
See Gratings
- Eclipses**
- Editor's page**  
See also From the Editor
- Education**  
See also Research, Science
- Einstein, Albert**  
See also Relativity
- Einsteinium**
- Electromagnetic waves**
- Electronics**  
See also Electrooptics
- Electron microscopy**
- Electron optics**
- Electrons**
- Electron spin relaxation**
- Electron spin resonance (ESR)**
- Electrooptics**
- Electrophotography**
- Electrostatics**
- Ellipsometers**
- Ellipsometry**
- Emission**  
See also Sources
- Emissivity**
- Emittance**
- Energy**  
See also Solar energy
- English**  
See Languages
- Enhanced total reflection**
- Environment**
- Erbium**
- Errata**
- ESPI, Electronic speckle patterns in interferometry**  
See Speckle patterns
- Etalons**  
See also Gratings
- Ethylene**
- Europium**
- Eyes**  
See Vision, physiological optics
- Fabry-Perot**  
See also Interferometry
- Faraday effect**  
See also Electrooptics
- Far infrared**  
See Infrared, far
- Fiber optics**  
See also Optical communications
- Films**  
See also Coatings, Thin films
- Filters**  
See also Coatings, Thin films
- Finance**
- Flames**  
See also Fluorescence, Spectroscopy
- Flashlamps**  
See also Lasers, Sources
- Flow**
- Fluorescence**  
See also Spectroscopy
- Fluorine**
- Focus**
- Fogs**  
See Clouds
- Formaldehyde**
- Fourier analysis**  
See also Fourier optics
- Fourier optics**  
See also Modulation transfer function, Spectroscopy, Fourier
- Fourier transforms**  
See also Optical processing
- Freon-12**
- Frequency conversion**
- Fresnel zone plates**  
See Zone plates
- From the Editor**  
See also Editor's page
- From the Executive Office**
- Fusion**  
See also Lasers
- Gadolinium**
- Gallium**
- Gallium arsenide**  
See also Lasers, GaAs
- Gamma rays**  
See also Lasers, gamma ray
- Garnets**
- Gases**  
See also specific gases
- Geodesy**
- Geometrical optics**  
See also specific topics
- Germanium**
- Germany**
- Glass**  
See also Reflection
- Gold**
- Graded index (GRIN)**
- Gradient index**  
See Graded index
- Gratings**  
See also Diffraction
- GRIN**  
See Graded-index (GRIN)
- Guided waves**  
See also Waveguides
- Hadamard transforms**
- Hafnium**
- Hazes**  
See Aerosols, Atmospheric optics
- Helium**
- Heterodyning**
- History**
- Holmium**
- Holography**  
See also Interferometry; Photoresists
- Hydrogen**
- Ice**  
See also Atmospheric optics, Meteorology
- Illumination**  
See also Light, Lighting



- Image compensation
- Image converters
- Image detectors
- Image enhancement
- Image evaluation
- Image formation
- Image intensifiers
- Image processing
- Image quality
  - See also Holography
- Image reconstruction
  - See also Holography
- Image reproduction
- Image restoration
  - See also Adaptive optics
- Image tubes
- Imaging systems
- India
- Indium
- Information processing
  - See also Data processing, Optical processing, Signal processing
- Information retrieval
- Information storage
  - See also Data storage
- Information theory
- Infrared
- Infrared, far
- Institute of Optics
- Integrated circuits
  - See also Integrated optics
- Integrated optics
  - See also Couplers, Guided waves, Waveguides
- Interference
- Interferometers
- Interferometry
  - See also Fabry-Perot, Holography
- International Commission for Optics
- Iodine
- Iridium
- Iron
- Isotope separation
- Isotope shifts
- Japan
- Jupiter
- Krypton
- Lamps
  - See also Sources
- Languages
- Lanthanides
- Lanthanum
- Laser damage
  - See also Lasers
- Laser-induced collisions
  - See also Lasers
- Lasers
  - See also specific types, subtopics and applications such as: Beams; Modes; Picosecond phenomena; Pulses; Resonators; Spectroscopy, laser; Thermal blooming
- Laser safety
  - See also Laser damage
- Lasers, amplifiers
  - See also Lasers
- Lasers, argon
  - See also Lasers
- Lasers, beams
  - See also Beams, Lasers
- Lasers, carbon dioxide
  - See also Lasers
- Lasers, carbon monoxide
  - See also Lasers
- Lasers, chemical
  - See also Lasers
- Lasers, deuterium fluoride
  - See also Lasers
- Lasers, diode
  - See also Lasers
- Lasers, dye
  - See also Lasers
- Lasers, GaAs
  - See also Lasers
- Lasers, gamma-ray
  - See also Lasers
- Lasers, gas
  - See also Lasers
- Lasers, glass
  - See also Lasers
- Lasers, HCl
  - See also Lasers
- Lasers, HCN
  - See also Lasers
- Lasers, He-Ne
  - See also Lasers
- Lasers, HF
  - See also Lasers
- Lasers, HF/DF
  - See also Lasers
- Lasers, holmium
  - See also Lasers
- Lasers, infrared
  - See also Lasers
- Lasers, junction
  - See also Lasers
- Lasers, krypton
  - See also Lasers
- Lasers, neodymium
  - See also Lasers
- Lasers, nitrogen
  - See also Lasers
- Lasers, speckle
  - See Coherence, Speckle patterns
- Lasers, plasma
  - See also Lasers
- Lasers, semiconductor
  - See also Lasers
- Lasers, ultraviolet
  - See also Lasers
- Lasers, windows
  - See also Lasers, Windows
- Lasers, xenon
  - See also Lasers
- Lasers, x-ray
  - See also Lasers
- Lead
- Lead-lanthanum titano-zirconate (PLZT)
  - See also Electrooptics, PLZT
- Lens design
  - See Optical design
- Lenses
  - See also Optical systems, Photography, and specific applications
- Lenses, zoom
  - See also Lenses
- Lidar
  - See also Atmospheric optics
- Liechtenstein
- Light
  - See also Lighting
- Lighting
  - See also Illumination, Light
- Lightning
  - See also Atmospheric optics
- Light pipes
- Light valve
- Light, velocity of
  - See also Light
- Liquid crystals
  - See Crystals, liquid
- Lithium
- Lithium fluoride
- Lithium niobate
- Luminescence
- Lutetium
- Magnesium
- Magnetooptics
- Manganese
- Mars
  - See also Planets, Space
- Masers
  - See also Lasers
- Masks
  - See also Holography
- Materials
  - See also Optical materials
- Medicine
- Meeting reports
- Mellin transforms
- Mercury
- Meteorology
  - See also Atmospheres, Atmospheric optics, Planets, Temperature, Temperature profiles, Visibility, Winds
- Methane
- Metric system
- Metrology
  - See specific applications
- Mexico
- Microscopes
  - See also Lenses, Microscopy
- Microscopy
  - See also Microscopes, Photomicrography, and specific applications
- Microwaves
- Mie theory
  - See also Atmospheric optics, Electromagnetic waves, Scattering
- Mirrors
  - See also Optical systems and specific applications
- Modes
  - See also Lasers
- Modulation
  - See also Electrooptics, Modulators
- Modulation transfer function
  - See also Optical transfer function
- Modulators
  - See also Acoustooptics; Modulation
- Moiré patterns
  - See Holography, Interferometry
- Molecules
  - See also Spectroscopy, molecular
- Molybdenum
- Monochromators
- Moon
- MTF
  - See Modulation transfer function
- Multiphoton processes
- National Bureau of Standards
- National Science Foundation
  - See subject areas such as Education, Research, Science
- Neodymium
- Neon
- Neptunium
- Nickel
- Niobium
- Nitric acid
- Nitrogen
- Nitrogen oxides
- Noise
- Nomenclature
- Nondestructive testing
  - See also Holography, Interferometry
- Nonlinear optics
- Nuclear magnetic resonance
- Oceanography
  - See also Radiation transfer
- Of Optics and Opticists
- Optical Activities in Industry
- Optical Activities in the Universities
- Optical communications
  - See also Fiber optics
- Optical constants
  - See also Optical properties
- Optical data processing
  - See Data processing, Optical processing
- Optical design
- Optical devices
  - See also Optical systems
- Optical engineering
- Optical fabrication
  - See also Optical shop
- Optical materials
  - See also Materials, Refractive index
- Optical measurements
  - See Metrology
- Optical physics
- Optical processing
  - See also Data processing, Fourier transforms, Information processing, Signal processing
- Optical properties
  - See Optical constants
- Optical shop
  - See also Optical engineering, Optical fabrication
- Optical Society of America
  - See also Awards, Biographical notes
- Optical systems
  - See also Optical design
- Optical testing
  - See also Interferometry, Nondestructive testing, Surfaces
- Optical transfer function
  - See also Modulation transfer function
- Optics
- Optics is light work
- Optoacoustics
  - See Photoacoustics
- Oxygen
- Ozone
- Palladium
- Partial coherence
  - See Coherence
- Particles
  - See also Aerosols
- Patents
- Patents Patter
- Pattern recognition
  - See also Character recognition
- Periscopes
- Phase conjugation
  - See also Adaptive optics
- Phosphors
- Photoacoustics
  - See also Absorption, Spectrophones, Spectroscopy
- Photocathodes
- Photochromatam
- Photoconductivity
- Photodetectors
- Photodiodes
- Photoelasticity
  - See also Strain analysis
- Photoemission
- Photography
  - See also Cameras, Electrophotography, Lenses, Photomicrography
- Photoionization
- Photolithography
  - See also Printing
- Photometers
- Photometry
- Photomicrography
  - See also Microscopy
- Photomultipliers
- Photon counting
- Photons
- Photopolymers
- Photoreceptors
- Photoresists
- Physics
- Picosecond phenomena
  - See Pulses
- Pioneer
  - See also Space entries
- Planets
  - See also Space optics
- Plasma
- Plastics
  - See also Materials, Optical materials
- Platinum



Plutonium  
**PLZT** (lead-lanthanum titano-zirconate ceramics)  
 See also Electrooptics, Lead-lanthanum titano-zirconate  
**Pockels cells**  
 See also Electrooptics  
**Pockels effect**  
**Polarimeters**  
**Polarimetry**  
**Polarization**  
**Polarizers**  
**Pollution**  
 See also Atmospheres, Atmospheric optics  
**Potassium**  
**Praseodymium**  
**Printing**  
 See also Photolithography  
**Prisms**  
**Projectors**  
**Publications**  
**Pulses**  
 See also Lasers, Picosecond phenomena  
**Pumping**  
 See also Lasers  
**Pyrometers**  
**Q-switching**  
 See also Lasers  
**Quantum efficiency**  
**Quantum electronics**  
 See also Lasers  
**Quantum mechanics**  
**Quantum optics**  
 See also Coherence  
**Quantum theory**  
**Quartz**  
**Radar**  
**Radiation**  
**Radiation transfer**  
**Radiometers**  
**Radiometry**  
**Raman effect**  
 See also Scattering, Raman; Spectroscopy, molecular; Spectroscopy, Raman  
**Rangefinders**  
**Ranging**  
**Rayleigh, Robert John Strutt, fourth Baron**  
**Reflectance**  
**Reflection**  
**Reflectometers**  
**Reflectors**  
**Refraction**  
**Refractive index**  
 See also Optical constants, and specific material  
**Refractometers**  
**Relativity**  
 See also Einstein, Albert  
**Remote sensing**  
 See also Atmospheric optics, Pollution, Radiometry, Satellites  
**Research**  
**Resolution**  
**Resonators**  
**Rhenium**  
**Rhodium**  
**Rockets**  
**Rubidium**  
**Ruthenium**  
**Samarium**  
**Satellites**  
 See also Remote sensing, Space optics  
**SAW**  
 See Acoustic surface waves, Integrated optics  
**Scandium**  
**Scanners**  
**Scanning**  
**Scattering**  
 See also Absorption, Atmospheric optics, Electromagnetic waves, Mie theory; Scattering, Brillouin; Scattering, Raman; Scattering, Rayleigh  
**Scattering, Brillouin**  
 See also Spectroscopy, Brillouin  
**Scattering, Raman**  
**Scattering, Rayleigh**  
**Schlieren technique**  
**Schneider**  
**Science**  
**Scintillation**  
 See also Atmospheric optics, Turbulence  
**Screens**  
**Seeing**  
 See also Atmospheric optics, Scintillation, Turbulence

**Selenium**  
**Semiconductors**  
**Sensitometry**  
**Shocks**  
**Shutters**  
**Signal processing**  
 See also Data processing, Information processing, Optical processing  
**Silicon**  
**Silver**  
**Sky**  
**Skylab**  
 See Space optics  
**Snow**  
**Sodium**  
**Solar energy**  
**Solids**  
**Sources**  
**Space**  
 See also Space optics  
**Spacecraft**  
**Space optics**  
 See also Planets, Skylab  
**Spatial coherence**  
 See Coherence  
**Spatial filtering**  
**Spatial filters**  
**Speckle patterns**  
 See also Coherence, Correlation  
**Spectra**  
 See Spectroscopy headings  
**Spectrographs**  
 See Spectroscopy headings  
**Spectrometers**  
 See also Spectrophotometer and subheadings  
**Spectrometers, Fourier transform**  
**Spectrometers, Hadamard**  
**Spectrophones**  
 See also Acousto-optics  
**Spectrophotometers**  
 See also Spectrometers  
**Spectrophotometry**  
 See also Spectrophotometers  
**Spectroscopy**  
 See also specific branch and element, Spectra  
**Spectroscopy, atomic**  
 See also individual elements, Spectra  
**Spectroscopy, beam-foil**  
**Spectroscopy, Brillouin**  
 See also Scattering, Brillouin  
**Spectroscopy, Fourier**  
 See also Fourier entries  
**Spectroscopy, Fourier transform**  
 See Fourier transforms; Spectroscopy, Fourier  
**Spectroscopy, gamma-ray**  
**Spectroscopy, high resolution**  
**Spectroscopy, infrared**  
**Spectroscopy, internal reflection**  
 See Attenuated total reflection (ATR)  
**Spectroscopy, laser**  
**Spectroscopy, laser Raman**  
**Spectroscopy, molecular**  
**Spectroscopy, Raman**  
 See also Raman effect, Spectroscopy, Laser Raman  
**Spectroscopy, ultraviolet**  
 See also Ultraviolet entries  
**Spectroscopy, x-ray**  
**Standards**  
**Stark effect**  
**Stereoscopy**  
**Strain analysis**  
 See also Photoelasticity  
**Stratosphere**  
 See also Atmospheres, Balloons, Temperature, Temperature profiles  
**Strontium**  
**Submillimeter waves**  
**Sulfur**  
**Sulfur hexafluoride**  
**Sulfuric acid**  
**Sun**  
**Surface acoustic waves**  
 See Acoustic surface waves, Integrated optics  
**Surfaces**  
 See also Interferometry, Optical testing  
**Surface waves**  
 See also Integrated optics  
**Sweden**  
**Switzerland**  
**Symbols**  
 See Nomenclature  
**Symbols-Units-Nomenclature (SUN)**  
 See Nomenclature  
**Synchrotron**

**Synthetic apertures**  
**Taiwan**  
**Tantalum**  
**Technology**  
 See also Research, Science  
**Telescopes**  
 See also Astronomy, Space optics  
**Telescopes, x-ray**  
**Television**  
**Tellurium**  
**Temperature**  
**Temperature profiles**  
**Terbium**  
**Terminology**  
 See Nomenclature  
**Thermal blooming**  
**Thermal imaging**  
**Thermochromatism**  
**Thermoplastics**  
**Thin films**  
 See also Coatings, Filters  
**Three dimensions**  
 See Stereoscopia  
**Thulium**  
**Tin**  
**Titanium**  
**Tomography**  
**Topography**  
**Trackers**  
**Tracking**  
**Transmission**  
**Transmittance**  
**Troposphere**  
 See Atmospheres, Meteorology  
**Tungsten**  
**Turbulence**  
 See also Atmospheric optics, Scintillation  
**Twilight**  
 See also Atmospheric optics  
**Ultrasonics**  
 See also Acoustics  
**Ultraviolet**  
 See also Spectroscopy, ultraviolet  
**Ultraviolet, extreme**  
**Ultraviolet, far**  
**Ultraviolet, middle**  
**Ultraviolet, vacuum**  
**United States**  
**Units**  
 See Nomenclature  
**Upconversion**  
**Uranium**  
**USC, uniform color scales**  
 See Color, Color measurement  
**U.S.S.R.**  
**Vacuum techniques**  
**Vanadium**  
**Velocimeters**  
**Velocimetry**  
**Velocimetry, laser Doppler**  
**Venus**  
**Vibration analysis**  
 See also Holography  
**Vidicons**  
**Visibility**  
**Vision**  
 See also the divisions following  
**Vision, acuity**  
**Vision, adaptation**  
**Vision, discrimination**  
**Vision, pattern**  
**Vision, perception**  
**Vision, photoreceptors**  
**Vision, physiological optics**  
**Vision, physiology**  
**Vision, psychophysics**  
**Vision, spatial discrimination**  
**Vision, temporal discrimination**  
**Water**  
**Waveguides**  
 See also Fiber optics, Guided waves, Integrated optics  
**Wave mechanics**  
**Waves**  
**Whiteness**  
**Windows**  
**Winds**  
**Wood, Robert Williams**  
**Xenon**  
**X rays**  
**Ytterbium**  
**Yttrium**  
**Zinc**  
**Zirconium**  
**Zone plates**



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